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Ohio Labor Market Information Labor Market Review

July 1987

Summary. In July, the seasonally adjusted unemployment rate in Ohio was 7.1 percent, its lowest point since March 1980. The U.S. rate, at 6.0 percent, was down slightly from June. It has not been at that level since December 1979. Total employment in Ohio rose 9,000 from June, to 4,868,000 in July. The number of unemployed declined 6,000, to 372,000. Gains in services were primarily responsible for increasing the seasonally adjusted nonagricultural payroll employment 9,000 from June, to 4,576,000. (See page 3.)

Factory Employment. Ohio's seasonally adjusted manufacturing employment totaled 1,081,000 in July, down 3,000 from June. Durable-goods employment also fell 3,000, to 727,000, while employment in nondurable-goods industries was unchanged at 354,000.

Nonmanufacturing. Nonmanufacturing employment in Ohio increased 12,000 from June, to 3,495,000 in July. Most of the gain occurred in services--up 8,000. Retail trade employment rose 3,000, and wholesale trade and finance, insurance, and real estate each advanced 1,000. Employment in government declined by 1,000, while mining, construction, and transportation and public utilities were unchanged from June.

Over the Year. The civilian labor force in Ohio rose from 5,204,000 in July 1986 to 5,240,000 in July 1987, a gain of 36,000. Total employment increased by 91,000, while the number of jobless workers was down 55,000. Ohio's unemployment rate fell from 8.2 percent to 7.1 percent over the year, while the nation's rate dropped from 7.0 percent to 6.0 percent. Nonagricultural wage and salary employment in Ohio was 104,000 higher in July 1987 than in July 1986. Growth in services and retail trade accounted for more than four-fifths of the increase. Significant gains also occurred in construction and finance, insurance, and real estate. Mining was down 2,000, while declines in durable-goods industries lowered manufacturing employment 22,000.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of $487.20 per week in July, down $11.22 from June. Their average workweek of 42.0 hours was .6 hours shorter. Nearly all industries had lower earnings. The most significant declines were in motor vehicles and equipment, due to vacation shutdowns and retooling for model changes; and in metal forgings and stampings, iron and steel foundries, and fabricated structural metal products, due to reductions in overtime.

Benefits and Costs. There were 79,012 initial claims filed under the Ohio Unemployment Compensation Law in July, up 42.4 percent from June, and up 10.1 percent from July 1986. Total benefits paid rose 20.4 percent, to $51.8 million. The average weekly benefit check of $148.36 was $.45 higher. The number of benefit recipients averaged 74,480 per week, an

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

increase of 1.0 percent from June. At the end of July, there were 196,496 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 44,514 new job applicants in July, up 7.3 percent from June, but down 16.0 percent from July 198. Job openings received from employers, at 20,364, were up 51.8 percent from last month. The Employment Services Division made 32,426 job referrals and 12,915 placements.

Ohio has become a Wage Recording State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensatation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:
* streamlining of the claims processing procedure;
* revealing of unreported employment; and
* reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1987	Jun. 1987	Jul. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,240	5,237	5,204	3	36	0.1	0.7
Employment	4,868	4,859	4,777	9	91	0.2	1.9
Unemployment	372	378	427	-6	-55	-1.6	-12.9
Unemployment Rate	7.1	7.2	8.2				
Employer Survey Data[e]							
Total	4,576	4,567	4,472	9	104	0.2	2.3
Manufacturing	1,081	1,084	1,103	-3	-22	-0.3	-2.0
Durable Goods	727	731	749	-3	-22	-0.4	-2.9
Nondurable Goods	354	354	354	0	0	0.0	-0.1
Nonmanufacturing	3,495	3,483	3,369	12	126	0.4	3.8
Mining	20	20	22	0	-2	-0.5	-8.6
Construction	174	174	160	0	14	0.2	8.7
Transportation and Public Utilities	210	210	206	0	4	-0.0	1.9
Wholesale Trade	250	249	245	1	4	0.2	1.8
Retail Trade	850	847	820	3	30	0.3	3.6
Finance, Insurance, and Real Estate	243	242	233	1	10	0.5	4.3
Services	1,060	1,052	1,002	8	58	0.7	5.8
Government	688	689	680	-1	8	-0.1	1.2
Goods Producing Industries[f]	1,275	1,278	1,285	-3	-10	-0.2	-0.8
Service Producing Industries[g]	3,301	3,289	3,187	12	114	0.4	3.6

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates*

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1985
5,150	4,647	503	9.8	7.3	July
5,132	4,675	457	8.9	7.1	August
5,167	4,701	466	9.0	7.1	September
5,172	4,707	465	9.0	7.1	October
5,192	4,727	465	9.0	7.0	November
5,185	4,754	431	8.3	7.0	December
					1986
5,218	4,759	459	8.8	6.8	January
5,325	4,869	456	8.6	7.2	February
5,297	4,896	401	7.6	7.2	March
5,248	4,823	425	8.1	7.1	April
5,214	4,784	430	8.2	7.2	May
5,204	4,752	452	8.7	7.1	June
5,204	4,777	427	8.2	7.0	July
5,185	4,763	422	8.1	6.8	August
5,163	4,734	429	8.3	7.0	September
5,214	4,810	404	7.7	6.9	October
5,264	4,875	389	7.4	6.9	November
5,276	4,861	415	7.9	6.7	December
					1987
5,287	4,850	437	8.3	6.7	January
5,303	4,848	455	8.6	6.7	February
5,215	4,824	391	7.5	6.6	March
5,223	4,846	377	7.2	6.3	April
5,294	4,878	416	7.9	6.3	May
5,237	4,859	378	7.2	6.1	June
5,240	4,868	372	7.1	6.0	July

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
				1985
4,374	1,122	767	355	July
4,380	1,119	763	356	August
4,385	1,114	759	355	September
4,398	1,117	762	356	October
4,410	1,120	763	357	November
4,422	1,123	766	357	December
				1986
4,438	1,124	767	357	January
4,440	1,122	764	357	February
4,440	1,117	760	356	March
4,459	1,117	761	356	April
4,464	1,112	756	356	May
4,466	1,111	755	356	June
4,472	1,103	749	354	July
4,484	1,103	748	355	August
4,488	1,100	744	355	September
4,497	1,094	739	355	October
4,517	1,103	747	356	November
4,532	1,106	750	356	December
				1987
4,556	1,106	748	358	January
4,564	1,108	750	358	February
4,563	1,099	741	357	March
4,570	1,098	741	357	April
4,572	1,091	735	356	May
4,567	1,084	731	354	June
4,576	1,081	727	354	July

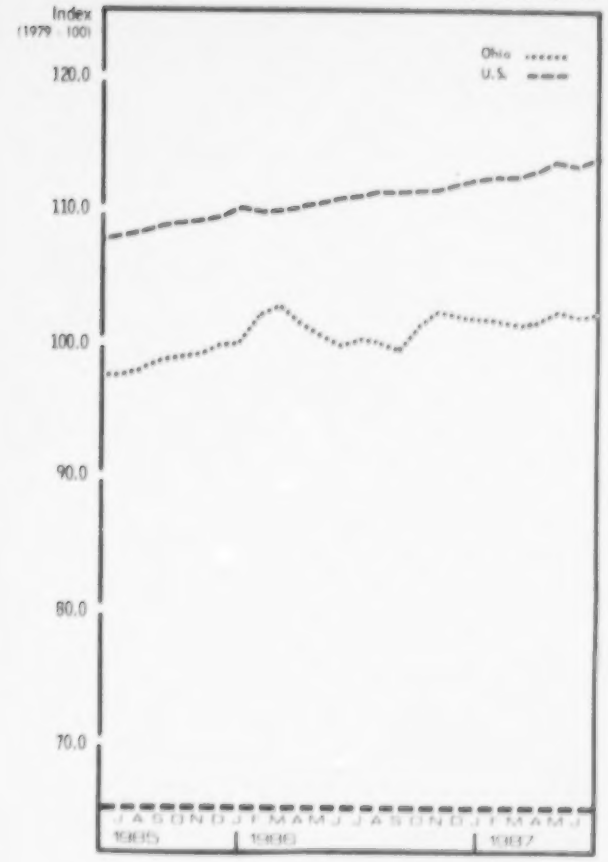
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

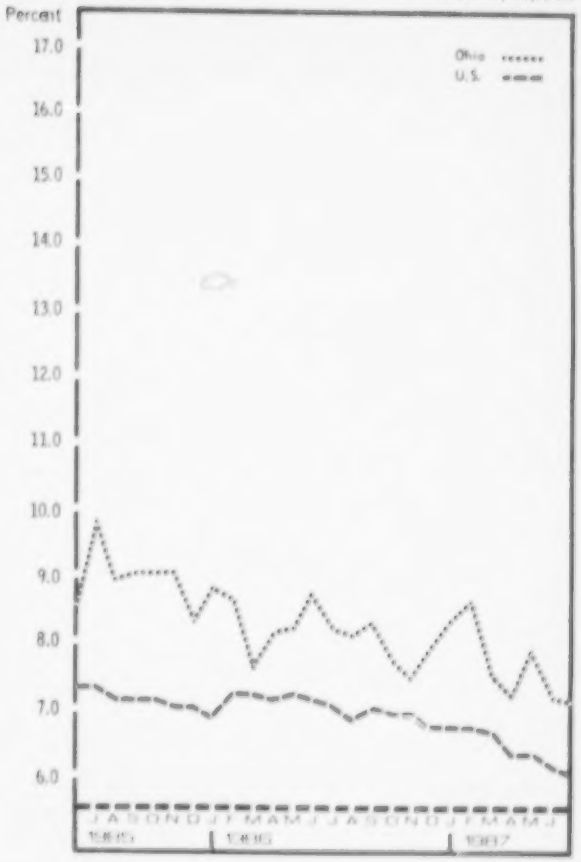
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,252	26	154	202	243	July	790	219	952	667
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,495	20	174	210	250	July	850	243	1060	688

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

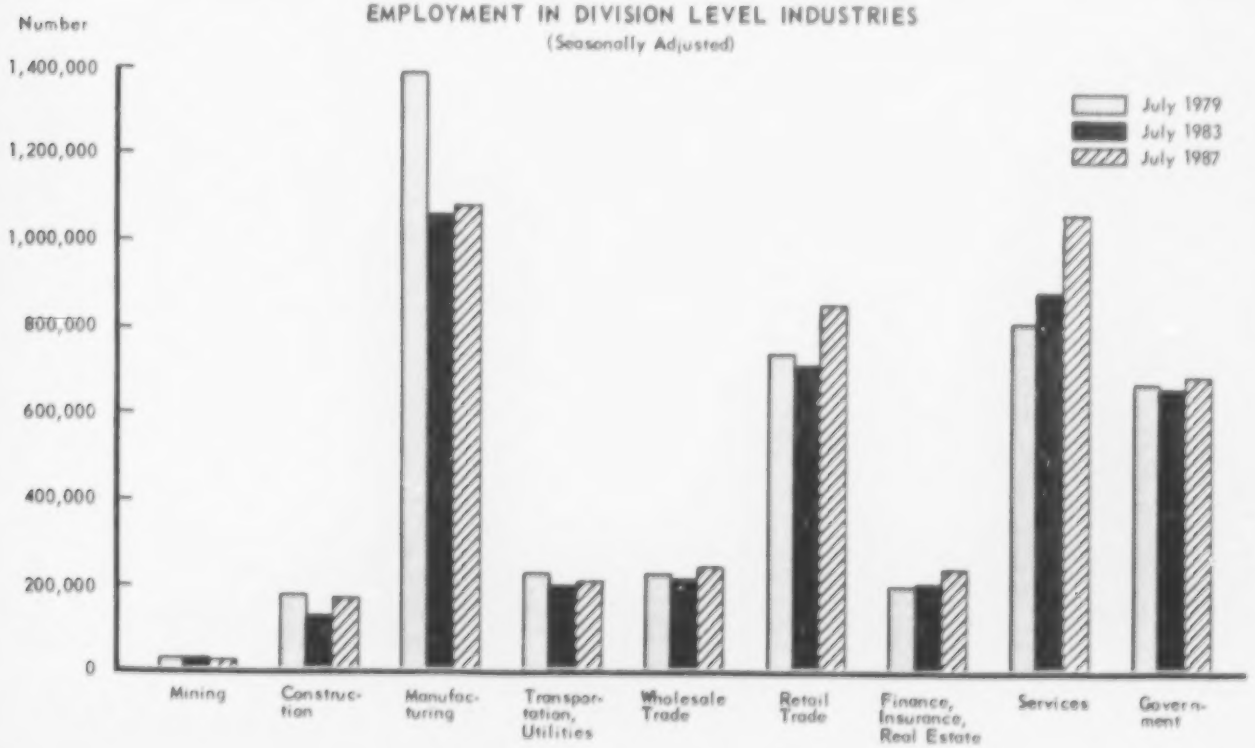
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates*

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
4,751	4,380	370	7.8	7.7	1976
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,139	4,684	456	8.9	7.2	1985
5,234	4,809	426	8.1	7.0	1986
					1986
5,295	4,882	413	7.8	7.0	July
5,261	4,838	423	8.0	6.7	August
5,189	4,755	434	8.4	6.8	September
5,263	4,855	408	7.8	6.6	October
5,282	4,894	388	7.3	6.6	November
5,259	4,841	418	7.9	6.3	December
					1987
5,196	4,744	452	8.7	7.3	January
5,205	4,732	473	9.1	7.2	February
5,154	4,749	405	7.9	6.9	March
5,205	4,837	367	7.1	6.2	April
5,264	4,892	372	7.1	6.1	May
5,293	4,909	384	7.3	6.3	June
5,325	4,967	358	6.7	6.1	July

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural				
	Manufacturing			
		Durable	Nondurable	
4,094.6	1,295.3	910.6	384.6	1976
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,475.2	1,109.3	753.2	356.1	1986
				1986
4,478.3	1,105.8	750.6	355.2	July
4,488.4	1,107.4	748.4	359.0	August
4,531.8	1,109.4	748.0	361.4	September
4,546.2	1,098.4	741.5	356.9	October
4,563.9	1,105.8	749.1	356.7	November
4,569.4	1,106.3	749.6	356.7	December
				1987
4,466.2	1,095.7	741.2	354.6	January
4,467.2	1,096.0	742.4	353.6	February
4,492.3	1,092.1	738.4	353.6	March
4,556.9	1,094.4	740.1	354.3	April
4,600.3	1,091.0	736.4	354.5	May
4,614.8	1,091.8	736.4	355.4	June
4,583.4	1,083.6	728.8	354.8	July

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.3
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,372.5	22.6	175.3	208.1	247.1	July	825.9	236.1	1,013.8	643.5
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	696.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	June	854.6	244.3	1,069.9	688.0
3,499.8	20.6	190.4	211.9	251.7	July	855.9	246.4	1,072.7	650.3

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing				Production Workers in Manufacturing		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,105.8	750.6	355.2	July	751.6	357.5	31.1
1,107.4	748.4	359.0	August	753.5	362.7	31.6
1,109.4	748.0	361.4	September	756.4	368.6	32.0
1,098.4	741.5	356.9	October	746.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,083.6	728.8	354.8	July	736.8	358.9	30.9

Production Workers Average Weekly Earnings

Manufacturing				Production Workers Average Weekly Hours				Production Workers Average Hourly Earnings			
	Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976	41.2	41.4	41.3	1976	$6.10	$6.25	$5.69	
283.08	292.02	258.34	1977	42.0	42.2	41.4	1977	6.74	6.92	6.24	
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	
401.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	
			1986				1986				
475.69	491.00	438.19	July	41.4	41.4	41.3	July	11.49	11.86	10.61	
481.43	500.99	439.30	August	41.9	42.1	41.6	August	11.49	11.90	10.56	
487.30	507.03	443.72	September	42.3	42.5	41.9	September	11.52	11.93	10.59	
483.53	502.25	444.52	October	41.9	42.1	41.7	October	11.54	11.93	10.66	
497.14	517.80	449.40	November	42.6	42.9	42.0	November	11.67	12.07	10.70	
508.15	531.14	454.92	December	43.1	43.5	42.2	December	11.79	12.21	10.78	
			1987				1987				
502.58	524.96	449.53	January	42.7	43.1	41.7	January	11.77	12.18	10.78	
499.05	520.88	446.71	February	42.4	42.8	41.4	February	11.77	12.17	10.79	
498.53	519.95	448.86	March	42.5	42.9	41.6	March	11.73	12.12	10.79	
492.99	514.25	443.72	April	42.1	42.5	41.2	April	11.71	12.10	10.77	
497.68	517.45	450.78	May	42.5	42.8	41.7	May	11.71	12.09	10.81	
496.42	517.37	453.95	June	42.6	42.9	41.8	June	11.70	12.06	10.86	
487.20	502.60	450.69	July	42.0	42.2	41.5	July	11.60	11.91	10.86	

*Estimates in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
50.4	93.9	135.5	July	159.0	89.1	153.5	July	63.0	68.9	90.2
50.6	91.9	135.5	August	158.3	90.4	151.1	August	66.2	68.9	90.2
50.4	90.1	137.2	September	158.1	90.1	151.2	September	66.6	69.3	91.2
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.7	133.3	March	153.8	89.0	148.9	March	61.5	69.1	90.4
48.0	96.7	132.5	April	153.5	88.0	151.6	April	62.2	69.3	89.8
48.2	95.5	131.8	May	153.2	87.3	150.3	May	62.7	69.3	88.9
48.4	95.9	133.2	June	153.6	87.5	147.1	June	62.7	69.3	88.8
47.8	94.8	131.2	July	152.2	87.7	143.9	July	63.2	69.7	87.9

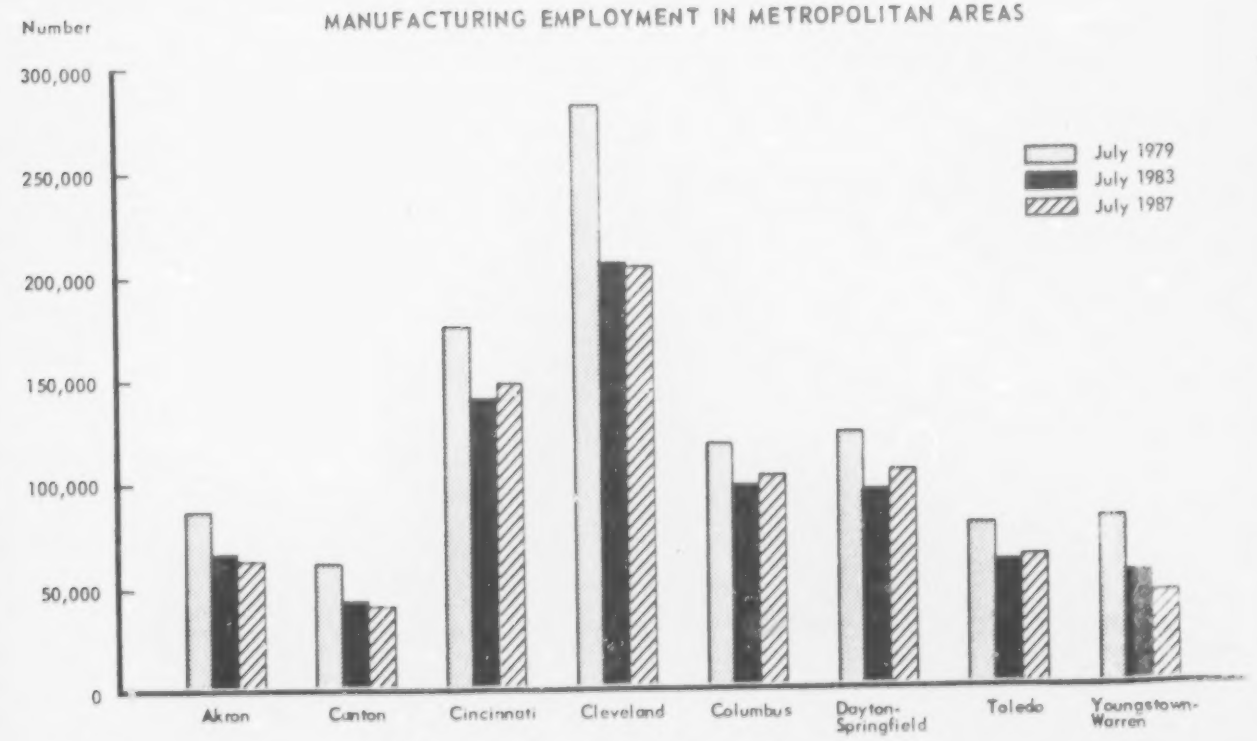
Average Weekly Earnings of Production Workers

$232.40	$294.58	$256.68	1976	$253.31	$221.54	$302.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	479.79	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
442.24	548.05	472.65	July	473.30	448.11	600.66	July	431.04	406.75	431.38
449.86	566.46	486.99	August	481.85	452.35	616.40	August	422.99	410.80	438.65
447.62	559.68	494.38	September	485.41	464.88	629.31	September	420.33	417.40	441.34
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	593.16	472.27	July	495.75	452.35	604.78	July	435.14	428.29	436.80

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES

MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	4583.4	4614.8	4478.3	- 31.4	105.1
MANUFACTURING	1083.6	1091.8	1105.8	- 8.2	- 22.2
Durable Goods[e]	728.8	736.4	750.6	- 7.6	- 21.7
Lumber and wood products	20.5	20.1	18.6	.4	1.9
Furniture and fixtures	14.7	14.6	14.1	.1	.6
Stone, clay, and glass products	47.8	48.4	50.4	- .6	- 2.6
Glass and glassware, pressed or blown.	9.6	10.5	10.5	- .8	- .9
Primary metal industries	94.8	95.9	93.9	- 1.2	.9
Blast furnace and basic steel products	44.7	44.8	43.2	- .1	1.5
Iron and steel foundries	19.2	19.0	19.9	.2	- .7
Nonferrous rolling and drawing	16.4	17.0	17.2	- .6	- .8
Fabricated metal products	131.2	133.2	135.5	- 2.0	- 4.4
Cutlery, hand tools, and hardware	9.7	9.8	10.1	- .1	- .4
Fabricated structural metal products	28.5	28.4	29.5	.1	- 1.0
Metal forgings and stampings	40.7	42.3	42.5	- 1.5	- 1.7
Machinery, except electrical	152.2	153.6	159.0	- 1.4	- 6.8
Construction and related machinery	11.8	12.0	12.9	- .2	- 1.1
Metalworking machinery	38.5	38.6	41.3	- .2	- 2.8
Special industry machinery	16.3	16.8	17.6	- .5	- 1.3
General industrial machinery	26.5	26.7	28.1	- .2	- 1.6
Office and computing machines	14.0	13.7	13.9	.3	.1
Refrigeration and service machinery	16.8	17.0	16.1	- .2	.7
Electric and electronic equipment	87.7	87.5	89.1	.2	- 1.4
Electrical industrial apparatus	16.6	16.7	17.1	- .1	- .5
Household appliances	16.9	17.0	16.8	- .2	.1
Electric lighting and wiring equipment	17.4	17.4	17.8	.0	- .5
Communication equipment	10.1	10.0	10.3	.0	- .3
Transportation equipment	143.9	147.1	153.5	- 3.2	- 9.6
Motor vehicles and equipment	90.9	93.4	97.5	- 2.5	- 6.6
Aircraft and parts	43.5	44.2	46.7	- .8	- 3.2
Instruments and related products	21.9	22.1	22.3	- .2	- .4
Measuring and controlling devices	12.0	12.1	11.5	- .1	.5
Nondurable Goods[f]	354.8	355.4	355.2	- .6	- .5
Food and kindred products	63.2	62.7	63.0	.5	.2
Meat products	9.8	9.9	9.9	- .1	.0
Dairy products	10.5	10.4	10.3	.1	.2
Preserved fruits and vegetables	10.2	10.1	10.3	.1	- .1
Bakery products	9.1	8.8	8.8	.3	.3
Beverages	10.2	10.1	10.4	.2	- .1
Apparel and other textile products	15.8	15.8	15.5	.0	.3
Paper and allied products	37.1	37.5	36.9	- .4	.2
Misc. converted paper products	11.9	11.9	11.5	.0	.3
Paperboard containers and boxes	12.9	13.0	12.5	- .1	.4
Printing and publishing	69.7	69.3	68.9	.3	.8
Newspapers	19.3	19.2	19.4	.2	- .1
Commercial printing	26.5	26.4	26.1	.1	.4
Chemicals and allied products	64.1	64.3	63.7	- .2	.4
Industrial inorganic chemicals	9.9	10.2	9.8	- .3	.0
Rubber and misc. plastics products	87.9	88.8	90.2	- .9	- 2.3
Tires and inner tubes	16.5	16.5	18.1	.0	- 1.6
Miscellaneous plastics products	52.6	52.9	52.4	- .3	.2

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3499.8	3523.0	3372.5	- 23.2	127.3
MINING	20.6	20.4	22.6	.2	- 1.9
Bituminous coal and lignite mining	9.2	9.2	10.1	.0	- .9
Oil and gas extraction	6.5	6.5	7.6	.0	- 1.1
CONSTRUCTION	190.4	182.5	175.3	7.9	15.1
General building contractors	48.5	46.9	44.3	1.6	4.2
Heavy construction contractors	25.8	24.8	24.5	1.0	1.2
Highway and street construction	13.0	12.6	11.7	.4	1.2
Special trade contractors	116.1	110.8	106.4	5.3	9.7
TRANSPORTATION AND PUBLIC UTILITIES	211.9	211.9	208.1	.0	3.8
Railroad transportation	15.0	15.0	16.1	.0	- 1.1
Transportation, except railroads	102.8	103.1	97.8	- .3	5.0
Trucking and warehousing	71.3	71.0	68.5	.3	2.8
Communication, electric, gas services	94.1	93.8	94.2	.3	- .1
Communication	52.5	52.6	52.8	- .1	- .3
Electric, gas, and sanitary services	41.6	41.2	41.4	.3	.2
WHOLESALE TRADE	251.7	251.4	247.1	.3	4.5
Wholesale trade-durable goods	158.8	158.5	156.4	.3	2.5
Motor vehicles & automotive equipment	22.5	22.4	22.6	.1	- .2
Electrical goods	20.6	20.7	20.5	- .1	.1
Machinery, equipment, and supplies	68.6	68.4	67.5	.2	1.0
Wholesale trade-nondurable goods	92.8	92.9	90.8	- .1	2.1
Groceries and related products	29.6	29.9	28.7	- .2	.9
RETAIL TRADE	855.9	854.6	825.9	1.3	30.0
General merchandise stores	111.0	110.5	111.2	.5	- .1
Department stores	98.0	97.8	99.2	.2	- 1.2
Food stores	131.7	131.5	128.5	.2	3.1
Automotive dealers & service stations	96.9	96.3	92.2	.6	4.7
Apparel and accessory stores	39.8	39.6	37.6	.2	2.2
Eating and drinking places	308.1	308.4	297.4	- .3	10.7
FINANCE, INSURANCE, AND REAL ESTATE	246.4	244.3	236.1	2.1	10.2
Banking	63.5	63.0	62.3	.5	1.2
Credit agencies other than banks	38.9	38.8	37.2	.2	1.7
Insurance carriers	65.8	65.6	63.6	.2	2.2
Life insurance	23.9	24.2	23.7	- .2	.2
Fire, marine, and casualty insurance	29.4	29.1	28.8	.3	.5
SERVICES	1072.7	1069.9	1013.8	2.7	58.8
Hotels and other lodging places	36.6	35.8	35.5	.8	1.1
Personal services	56.6	57.0	53.1	- .4	3.5
Laundry, cleaning, & garment services	18.8	18.9	18.2	- .1	.6
Business services	218.3	214.7	195.3	3.6	23.0
Services to buildings	30.1	30.1	28.0	.0	2.1
Computer and data processing services	20.0	19.6	17.8	.4	2.1
Amusement and recreation services	54.4	53.6	52.7	.7	1.7
Health services	363.6	360.6	347.4	3.1	16.3
Nursing and personal care facilities	80.6	79.7	77.1	1.0	3.5
Hospitals	178.4	177.2	171.4	1.2	7.0
Educational services	46.2	53.2	46.7	- 7.0	- .5
Colleges and universities	21.9	26.0	23.0	- 4.1	- 1.2
GOVERNMENT	650.3	688.0	643.5	- 37.7	6.8
Federal government	95.3	94.8	94.6	.5	.7
State government	134.8	149.3	132.0	- 14.5	2.8
State government education[f]	58.7	73.7	57.9	- 15.0	.8
State government, except education	76.1	75.6	74.1	.5	2.0
Local government	420.2	443.8	416.9	- 23.7	3.2
Local government education	222.9	251.1	221.2	- 28.2	1.7
Local government, except education	197.3	192.8	195.8	4.5	1.5

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$487.20	$498.42	$475.69	42.0	42.6	41.4	$11.60	$11.70	$11.49
Durable Goods[e]	502.60	517.37	491.00	42.2	42.9	41.4	11.91	12.06	11.86
Lumber and wood products	300.94	305.34	297.25	41.0	41.6	41.4	7.34	7.34	7.18
Furniture and fixtures	349.46	349.66	331.50	40.4	40.8	39.7	8.65	8.57	8.35
Stone, clay, and glass products	446.42	453.46	442.24	41.8	42.3	41.1	10.68	10.72	10.76
Glass and glassware, pressed or blown	463.30	455.31	469.53	39.7	39.8	40.9	11.67	11.44	11.48
Primary metal industries	593.16	599.86	548.05	44.2	44.5	41.3	13.42	13.48	13.27
Blast furnace and basic steel products	634.34	627.41	571.46	45.9	45.3	41.5	13.82	13.85	13.77
Iron and steel foundries	574.52	623.12	542.64	42.4	44.7	40.8	13.55	13.94	13.30
Nonferrous rolling and drawing	595.53	594.30	559.60	41.5	42.0	40.0	14.35	14.15	13.99
Fabricated metal products	472.27	501.50	472.65	41.5	42.9	41.1	11.38	11.69	11.50
Cutlery, hand tools, and hardware	466.67	466.72	451.62	40.3	40.2	38.6	11.58	11.61	11.70
Fabricated structural metal products	424.74	461.78	429.77	41.6	43.4	42.3	10.21	10.64	10.16
Metal forgings and stampings	567.95	619.16	588.13	41.7	44.1	41.8	13.62	14.04	14.07
Machinery, except electrical	495.75	505.36	473.30	42.7	42.9	41.3	11.61	11.78	11.46
Construction and related machinery	408.24	428.26	399.60	40.5	41.7	39.1	10.08	10.27	10.22
Metalworking machinery	468.78	480.20	460.90	42.5	43.3	41.9	11.03	11.09	11.00
Special industry machinery	475.44	484.92	456.04	42.0	42.8	41.8	11.32	11.33	10.91
General industrial machinery	506.15	532.29	493.85	41.9	43.1	41.5	12.08	12.35	11.90
Office and computing machines	410.77	403.94	388.74	42.7	41.6	41.8	9.62	9.71	9.30
Refrigeration and service machinery	586.98	576.20	570.26	44.2	43.0	41.9	13.28	13.40	13.61
Electric and electronic equipment	452.35	457.32	448.11	40.9	41.2	41.3	11.06	11.10	10.85
Electrical industrial apparatus	465.93	471.65	437.38	41.9	42.3	40.8	11.12	11.15	10.72
Household appliances	476.49	457.85	468.54	40.9	39.3	41.5	11.65	11.65	11.29
Electric lighting and wiring equipment	433.74	471.44	426.10	38.9	41.5	39.6	11.15	11.36	10.76
Communication equipment	504.06	509.96	462.84	41.9	41.8	40.6	12.03	12.20	11.40
Transportation equipment	604.78	628.65	600.66	42.5	43.9	42.6	14.23	14.32	14.10
Motor vehicles and equipment	617.40	648.40	619.65	42.0	43.9	42.5	14.70	14.77	14.58
Aircraft and parts	584.32	588.30	575.04	44.0	44.2	44.2	13.28	13.31	13.01
Instruments and related products	360.36	363.77	356.31	39.6	39.8	39.9	9.10	9.14	8.93
Measuring and controlling devices	359.14	351.71	351.00	38.7	37.9	39.0	9.28	9.28	9.00
Nondurable Goods[f]	450.69	453.95	438.19	41.5	41.8	41.3	10.86	10.86	10.61
Food and kindred products	435.14	445.79	431.04	41.8	42.7	42.3	10.41	10.44	10.19
Meat products	369.15	387.94	402.97	41.2	43.2	41.5	8.96	8.98	9.71
Dairy products	481.80	459.65	464.71	44.0	43.2	44.3	10.95	10.64	10.49
Preserved fruits and vegetables	418.08	427.18	384.89	40.2	40.8	40.6	10.40	10.47	9.48
Bakery products	458.54	475.73	471.83	39.7	40.8	41.1	11.55	11.66	11.48
Beverages	429.89	446.09	438.04	41.9	43.1	42.2	10.26	10.35	10.38
Apparel and other textile products	279.36	279.74	270.85	37.7	37.6	36.9	7.41	7.44	7.34
Paper and allied products	492.62	508.03	496.15	44.3	45.4	44.9	11.12	11.19	11.05
Misc. converted paper products	442.21	458.20	465.88	43.1	44.1	45.1	10.26	10.39	10.33
Paperboard containers and boxes	434.30	448.00	414.39	43.0	44.4	41.9	10.10	10.09	9.89
Printing and publishing	428.29	422.28	406.75	38.9	38.6	38.3	11.01	10.94	10.62
Newspapers	355.66	368.90	349.17	34.1	35.0	33.9	10.43	10.54	10.30
Commercial printing	435.23	408.86	401.95	40.6	39.2	39.1	10.72	10.43	10.28
Chemicals and allied products	528.35	529.61	502.94	41.8	41.8	41.6	12.64	12.67	12.09
Industrial inorganic chemicals	565.55	579.61	550.12	42.3	42.4	41.3	13.37	13.67	13.32
Rubber and misc. plastics products	436.80	441.58	431.38	42.0	42.5	41.8	10.40	10.39	10.32
Tires and inner tubes	655.96	640.59	633.25	46.0	45.4	45.2	14.26	14.11	14.01
Miscellaneous plastics products	423.61	426.89	412.93	41.9	42.1	41.5	10.11	10.14	9.95

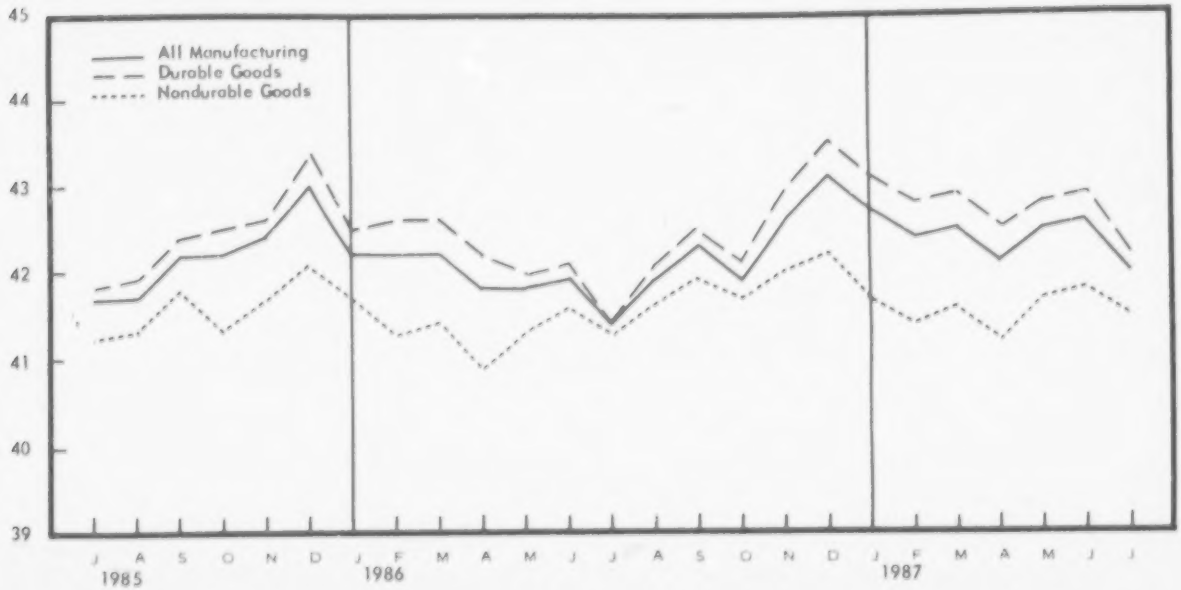
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

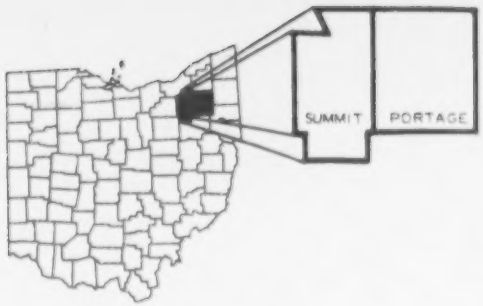
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MINING	$534.32	$519.87	$512.00	43.3	42.3	43.5	$12.34	$12.29	$11.77
Bituminous coal and lignite mining	634.12	622.80	591.14	41.5	40.6	40.6	15.28	15.34	14.56
CONSTRUCTION	570.64	560.38	559.78	39.3	38.7	37.9	14.52	14.48	14.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.67	555.67	543.58	41.6	41.1	41.4	13.67	13.52	13.13
Communication	559.84	547.24	541.03	41.5	40.9	41.3	13.49	13.38	13.10
Electric, gas, and sanitary services	579.63	566.22	547.87	41.7	41.3	41.6	13.90	13.71	13.17
WHOLESALE TRADE	376.44	375.14	368.68	39.5	39.2	39.6	9.53	9.57	9.31
Wholesale trade-durable goods	371.22	371.45	363.92	39.2	39.1	39.6	9.47	9.50	9.19
Wholesale trade-nondurable goods	383.84	381.79	375.65	39.9	39.4	39.5	9.62	9.69	9.51
RETAIL TRADE[h]	164.05	161.29	160.52	29.4	28.7	29.4	5.58	5.62	5.46
General merchandise stores	185.12	182.90	188.17	30.1	29.5	31.0	6.15	6.20	6.07
Department stores	191.52	188.26	193.44	30.4	29.6	31.1	6.30	6.36	6.22
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	259.53	258.56	247.26	....	....	....	.....	.....	.....
Credit agencies other than banks	254.82	249.79	240.40	....	....	....	.....	.....	.....
Insurance carriers	344.81	346.00	325.98	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	331.00	330.01	320.82	33.2	33.2	33.7	9.97	9.94	9.52

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



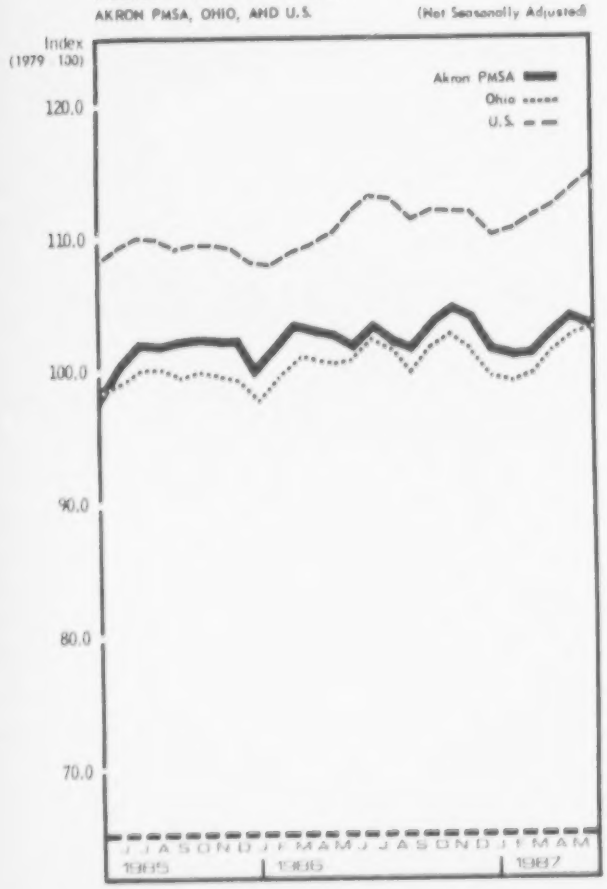
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



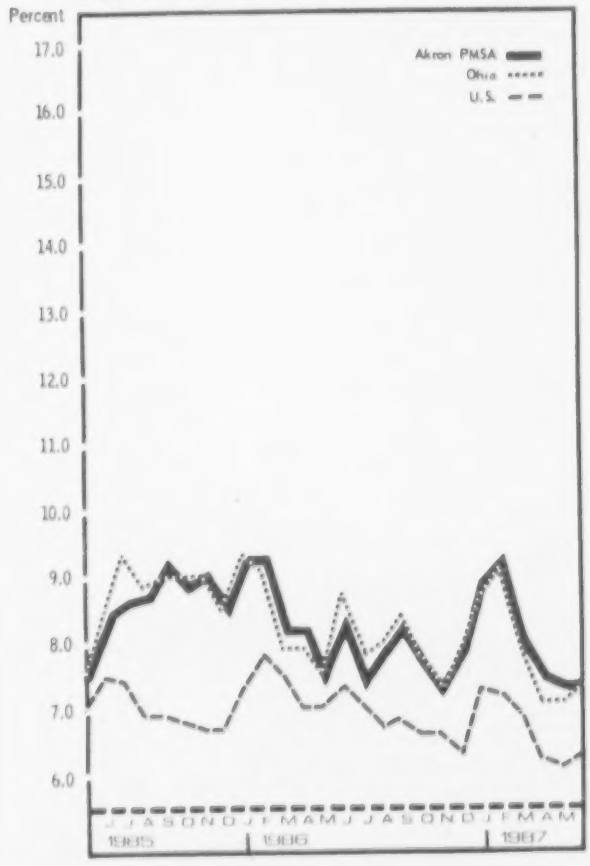
Nonagricultural wage and salary employment in the Akron area totaled 262,800 in July, unchanged from June. Employment in manufacturing declined by 500, to 64,000. Nonmanufacturing divisions registered a slight growth overall, most notably in construction and services. Manufacturing production workers put in a 42.1 hour workweek at an average hourly rate of $11.16, down one hour and $.17, respectively, from the previous month.

Since July 1986, nonfarm wage and salary employment in the Akron metropolitan area has grown by 5,200. Nonmanufacturing industries, primarily construction, retail trade, and services, provided the boost in employment. Sharp reductions in fabricated metal products, nonelectrical machinery, and rubber and miscellaneous plastics products, especially tires and inner tubes, helped lead to the loss of 2,500 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

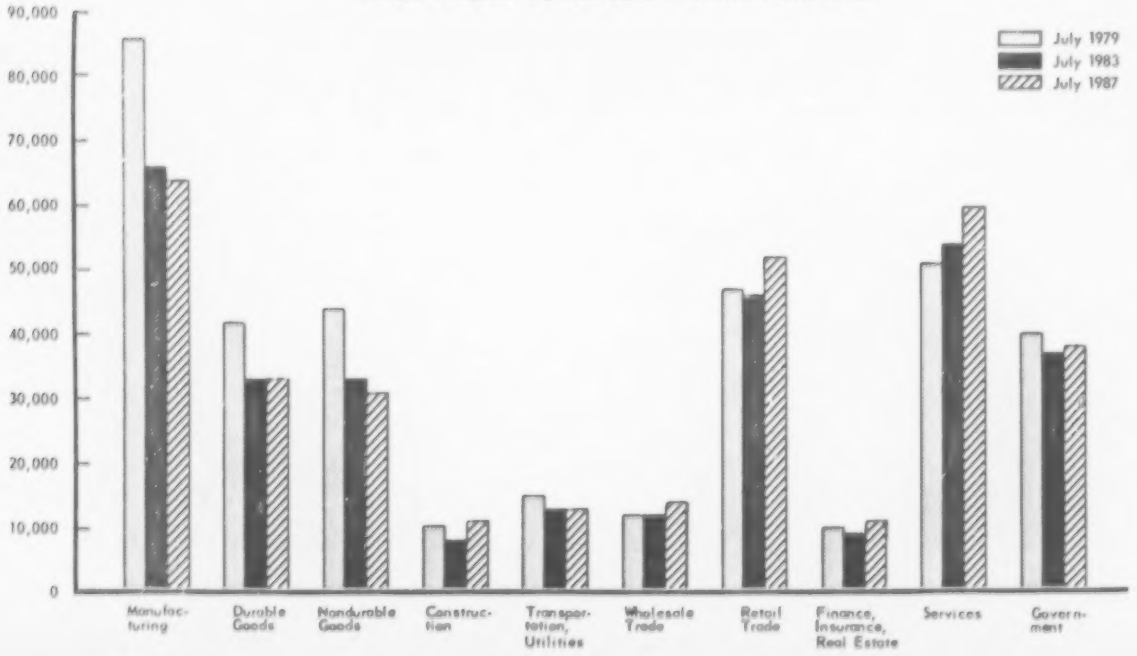


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
318.0	291.7	26.3	8.3	June	259.8	67.5	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.6	294.5	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
INA	INA	INA	INA	July	262.8	64.0	34.7	469.84	42.1	11.16

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	262.8	262.8	257.6	.0	5.2
MANUFACTURING	64.0	64.5	66.5	- .5	- 2.5
Durable Goods[e]	33.1	33.7	34.6	- .6	- 1.4
Fabricated metal products	12.0	12.2	12.7	- .2	- .7
Machinery, except electrical	9.0	9.1	9.3	- .1	- .4
Metalworking machinery	2.9	3.0	3.0	.0	- .1
Nondurable Goods[f]	30.9	30.8	31.9	.1	- 1.0
Food and kindred products	2.9	2.8	2.8	.1	.1
Chemicals and allied products	3.0	2.9	2.9	.0	.0
Rubber and misc. plastics products	19.3	19.3	20.7	- .1	- 1.5
Tires and inner tubes	12.0	12.1	13.9	.0	- 1.8
NONMANUFACTURING[g]	198.8	198.4	191.1	.4	7.7
CONSTRUCTION	11.0	10.7	9.5	.3	1.5
TRANSPORTATION AND PUBLIC UTILITIES	13.5	13.4	13.1	.1	.4
Communication, electric, gas services	5.5	5.4	5.4	.1	.1
WHOLESALE TRADE	13.8	13.8	13.5	.0	.3
RETAIL TRADE	52.1	52.3	50.3	- .2	1.9
General merchandise stores	6.5	6.5	6.4	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.5	10.1	.1	.5
Banking	3.2	3.2	3.2	.0	.0
SERVICES	59.5	59.2	57.0	.3	2.5
Business services	11.2	11.0	10.4	.3	.8
Amusement and recreation services	4.6	4.3	4.6	.2	.0
Health services	18.0	17.9	17.6	.1	.4
GOVERNMENT	37.6	37.9	37.0	- .3	.6
State government	10.6	10.7	10.6	- .1	- .1
State government education[i]	7.4	7.6	7.5	- .1	- .1
State government, except education	3.1	3.1	3.1	.0	.0
Local government	24.6	24.8	24.0	- .3	.5
Local government education	12.3	12.9	11.8	- .6	.5
Local government, except education	12.3	11.9	12.2	.3	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

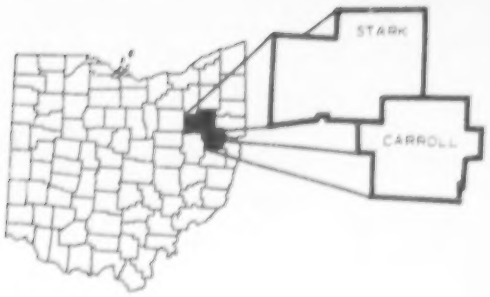
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$469.84	$488.32	$472.86	42.1	43.1	42.6	$11.16	$11.33	$11.10
Durable Goods[e]	489.60	516.12	479.52	42.5	44.0	42.7	11.52	11.73	11.23
Fabricated metal products	572.40	635.56	565.62	42.4	45.3	42.4	13.50	14.03	13.34
Machinery, except electrical	455.70	474.37	441.00	44.2	45.7	44.1	10.31	10.38	10.00
Metalworking machinery	455.91	470.32	462.07	45.5	46.2	46.3	10.02	10.18	9.98
Nondurable Goods[f]	441.38	446.84	464.10	41.6	41.8	42.5	10.61	10.69	10.92
Food and kindred products	468.06	462.93	460.06	43.5	42.2	41.9	10.76	10.97	10.98
Chemicals and allied products	478.38	454.80	449.90	42.0	40.0	40.9	11.39	11.37	11.00
Rubber and misc. plastics products	464.70	469.81	496.87	42.4	43.3	43.7	10.96	10.85	11.37
Tires and inner tubes	732.00	732.96	733.10	48.0	48.0	49.5	15.25	15.27	14.81
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	576.16	573.61	559.01	41.6	41.9	41.5	13.85	13.69	13.47
WHOLESALE TRADE	327.62	336.80	325.40	37.4	37.8	38.6	8.76	8.91	8.43
RETAIL TRADE[h]	201.72	194.91	193.08	32.8	31.9	31.6	6.15	6.11	6.11

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	3,329	3,773	4,009
Active File of Job Seekers	18,962	19,353	21,813
Referrals to Jobs	1,889	1,793	1,703
Placements	1,222	336	1,852
Job Openings Received	1,952	1,129	1,680
Job Openings Unfilled	2,895	2,473	1,298
Unemployment Insurance Program			
Initial Claims	3,602	2,871	3,515
Continued Claims	27,935	27,290	32,923
First Payments	1,393	1,192	1,208
Last Payments	563	454	510
Weeks Compensated	23,626	20,147	20,985
Benefits Paid	$3,506,875	$2,992,957	$2,946,050
Average Weekly Payment	$151.76	$152.55	$144.07

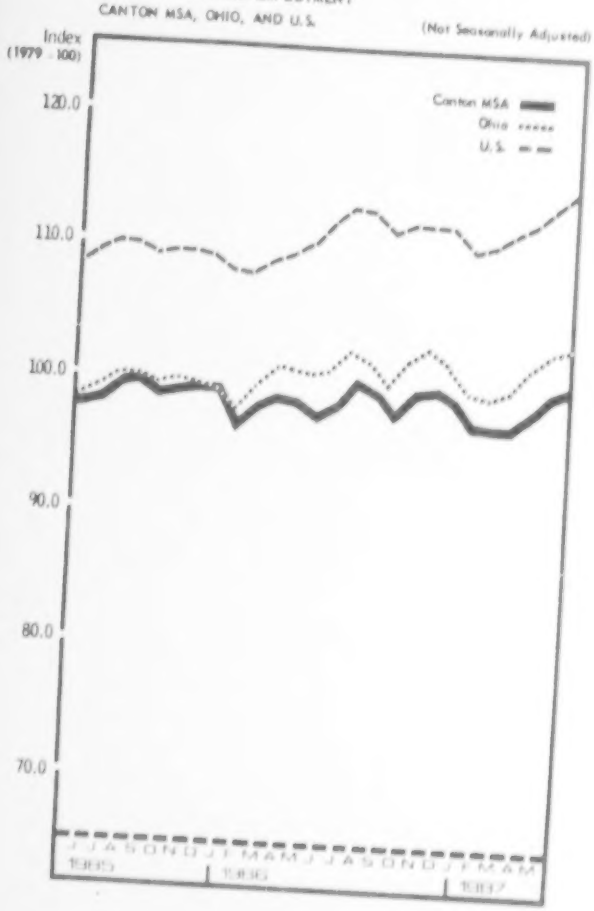
CANTON
METROPOLITAN STATISTICAL AREA



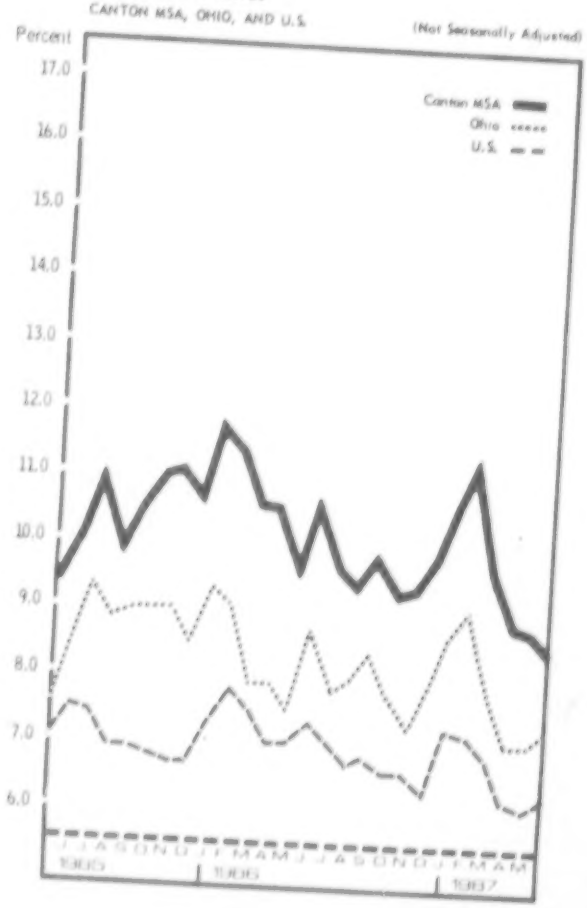
Nonagricultural wage and salary employment for the Canton metropolitan area totaled 154,900 in July, down 1,400 from June. Manufacturing employment fell to 41,600, due chiefly to a reduction in primary metal industries. Nonmanufacturing employment also registered a decline. The seasonal decrease in local government education nonteaching personnel offset modest gains in construction. Production workers averaged a 41.4 hour workweek, falling .8 hours from June. Their average hourly earnings rose $.02 from the previous month, to $11.38.

Nonagricultural wage and salary employment in the Canton area advanced 2,200 over the year. General improvement in most of the nonmanufacturing divisions accounted for the growth. Sizable gains in construction, retail trade, and services paced the expansion. Reductions in the primary metals and fabricated metal products industries contributed to the loss of 2,400 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

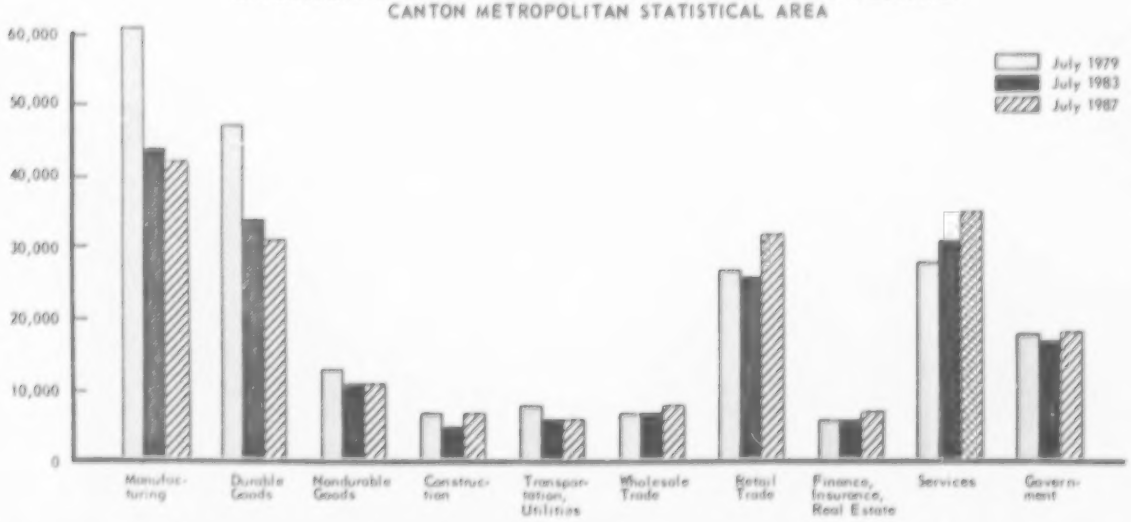


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.9	173.7	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
INA	INA	INA	INA	July	154.9	41.6	29.3	471.13	41.4	11.38

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	154.9	156.4	152.7	- 1.4	2.2
MANUFACTURING	41.6	42.5	44.0	- .9	- 2.4
Durable Goods[e]	30.6	31.4	32.4	- .8	- 1.8
Primary metal industries	9.7	10.2	10.2	- .5	- .5
Fabricated metal products	6.2	6.2	7.0	.0	- .9
Metal forgings and stampings	2.0	2.0	2.6	.0	- .5
Nondurable Goods[f]	11.0	11.1	11.6	- .1	- .6
Food and kindred products	3.7	3.7	3.9	.0	- .2
Rubber and misc. plastics products	2.6	2.6	2.8	.0	- .3
NONMANUFACTURING[g]	113.3	113.9	108.7	- .6	4.6
CONSTRUCTION	7.0	6.7	6.0	.4	1.1
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.8	.0	.3
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.0	8.0	8.1	.0	- .1
Wholesale trade-durable goods	4.5	4.5	4.6	.0	.0
RETAIL TRADE	32.0	31.9	30.5	.1	1.5
General merchandise stores	3.8	3.8	3.7	.0	.1
Food stores	5.2	5.2	5.0	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.6	6.6	.0	.0
Banking	1.9	1.9	1.9	.1	.0
SERVICES	34.9	35.2	33.8	- .2	1.2
Health services	14.9	14.9	14.5	.0	.4
GOVERNMENT	17.6	18.4	16.9	- .8	.8
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.5	15.3	13.8	- .7	.8
Local government education	8.2	8.9	7.8	- .7	.4
Local government, except education	6.3	6.4	6.0	- .1	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

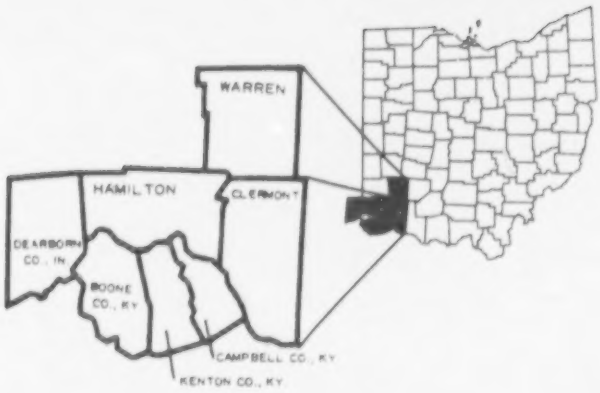
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$471.13	$479.39	$449.52	41.4	42.2	40.1	$11.38	$11.36	$11.21
Durable Goods[e]	498.46	509.44	465.96	42.1	43.1	40.1	11.84	11.82	11.62
Primary metal industries	577.15	591.30	478.30	43.2	45.0	37.9	13.36	13.14	12.62
Fabricated metal products	451.66	471.24	490.36	40.8	42.0	41.0	11.07	11.22	11.96
Metal forgings and stampings	577.60	629.42	606.62	40.0	43.2	39.7	14.44	14.57	15.28
Nondurable Goods[f]	389.86	390.46	398.80	39.3	39.6	40.0	9.92	9.86	9.97
Food and kindred products	403.60	408.24	426.22	40.0	40.5	40.4	10.09	10.08	10.55
Rubber and misc. plastics products	421.23	419.80	441.21	41.5	41.4	42.1	10.15	10.14	10.48
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	575.51	544.66	532.59	42.1	41.2	41.0	13.67	13.22	12.99
WHOLESALE TRADE	390.40	360.01	338.42	38.2	37.0	35.4	10.22	9.73	9.56
RETAIL TRADE[h]	158.12	154.37	158.26	29.5	28.8	29.2	5.36	5.36	5.42

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	1,924	1,198	2,304
Active File of Job Seekers	12,268	12,783	20,178
Referrals to Jobs	1,583	831	1,313
Placements	808	282	427
Job Openings Received	652	517	714
Job Openings Unfilled	739	1,285	544
Unemployment Insurance Program			
Initial Claims	2,550	2,211	3,346
Continued Claims	18,326	18,505	23,532
First Payments	769	713	910
Last Payments	393	337	418
Weeks Compensated	13,313	13,015	17,255
Benefits Paid	$1,855,245	$1,824,886	$2,330,774
Average Weekly Payment	$143.54	$144.99	$139.05

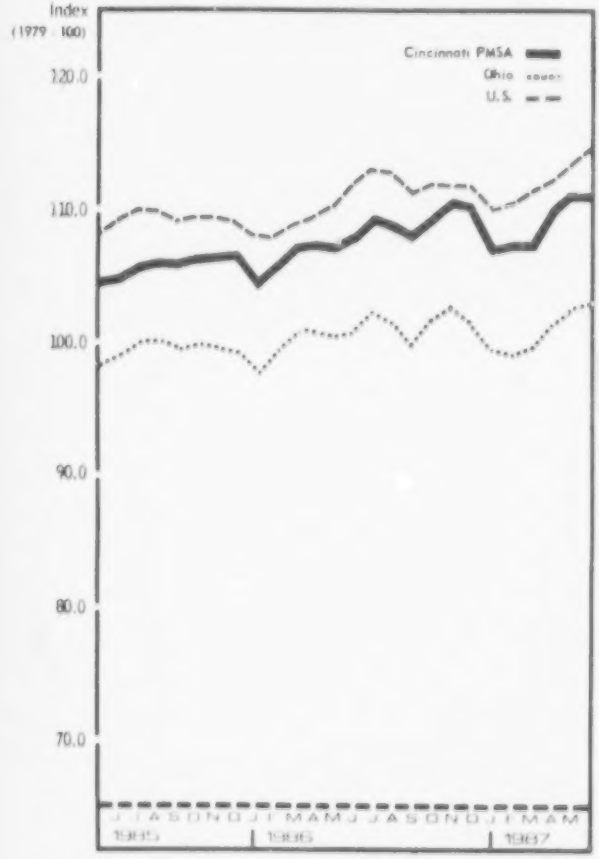
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



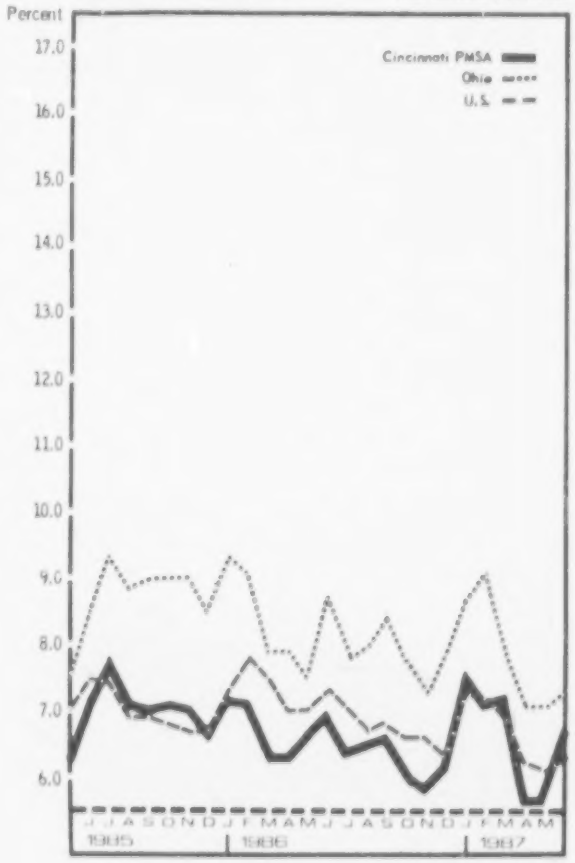
Nonfarm wage and salary employment in the Cincinnati metropolitan area was 681,900 in July, up 2,700 from June. Nonmanufacturing empioyemnt decreased 1,300, as growth in services, especially business services, construction, and retail trade was unable to offset the seasonal reductions in nonteaching personnel in state and local schools and colleges. Manufacturing employment, at 149,300, was up 4,000 from June, due to returns from temporary layoffs in motor vehicles and equipment. Factory production workers earned an average of $10.86 per hour, down $.04 from June. Their average workweek was 41.9 hours, down .9 hours.

Since July 1986, nonfarm employment has risen 29,300. Although all nonmanufacturing industries recorded gains, services, especially business and health services, and retail trade had the most noteworthy growth. Manufacturing employment increased 1,800, with gains in transportation equipment, paper and allied products and other nondurable-goods industries, offsetting losses in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

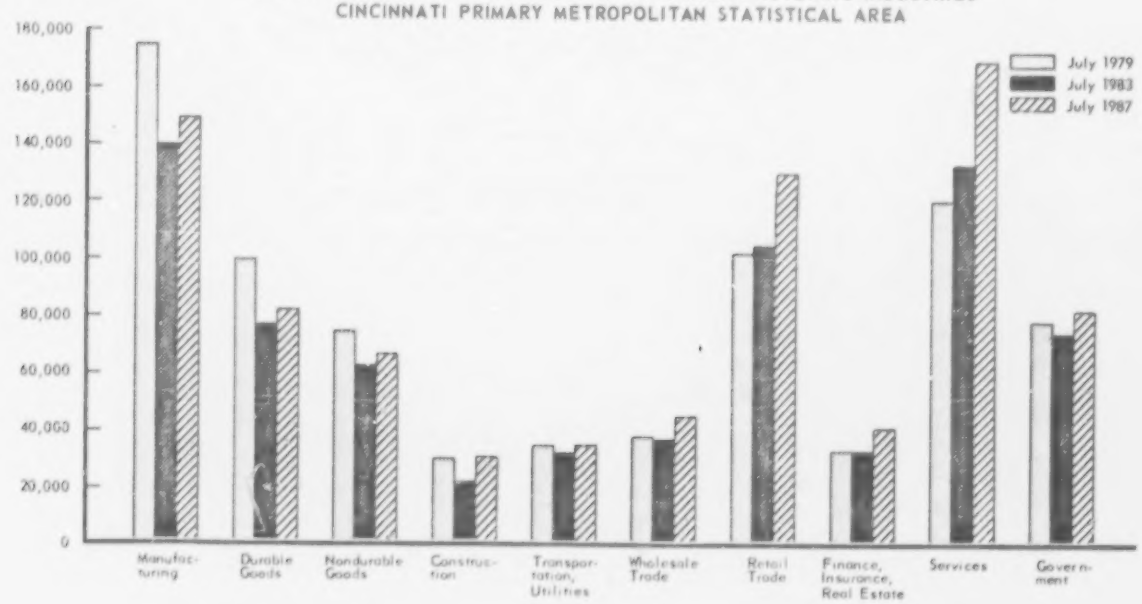


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
748.6	698.2	50.4	6.7	June	679.2	145.4	92.6	466.52	42.8	10.90
INA	INA	INA	INA	July	681.9	149.3	96.0	455.03	41.9	10.86

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	681.9	679.2	652.6	2.7	29.3
MANUFACTURING	149.3	145.4	147.5	4.0	1.8
Durable Goods[e]	82.3	78.9	82.0	3.4	.3
Fabricated metal products	11.1	11.1	10.5	- .1	.6
Fabricated structural metal products	4.3	4.4	3.9	.0	.4
Machinery, except electrical	19.6	19.7	21.0	- .1	- 1.4
Metalworking machinery	8.0	8.0	8.9	- .1	- .9
General industrial machinery	2.6	2.7	3.0	.0	- .3
Electric and electronic equipment	7.4	7.4	7.6	.1	- .1
Transportation equipment	28.9	25.4	28.3	3.5	.6
Motor vehicles and equipment	8.2	4.8	8.6	3.4	- .4
Nondurable Goods[f]	67.1	66.5	65.5	.6	1.5
Food and kindred products	13.4	13.0	13.1	.4	.3
Beverages	3.9	3.8	4.1	.1	- .2
Apparel and other textile products	3.7	3.6	3.3	.1	.4
Paper and allied products	6.8	6.8	6.2	.0	.6
Printing and publishing	13.4	13.3	13.0	.1	.3
Commercial printing	5.9	5.9	5.5	.1	.4
Chemicals and allied products	22.4	22.3	22.1	.1	.3
Rubber and misc. plastics products	5.4	5.5	5.3	- .1	.1
NONMANUFACTURING[g]	532.6	533.8	505.0	- 1.3	27.6
CONSTRUCTION	30.7	29.7	27.7	1.0	3.0
TRANSPORTATION AND PUBLIC UTILITIES	34.8	34.8	34.5	- .1	.3
Trucking and warehousing	9.6	9.5	9.5	.1	.0
Communication, electric, gas services	15.4	15.3	15.5	.1	- .1
WHOLESALE TRADE	45.1	45.1	43.1	.0	2.0
Wholesale trade-durable goods	27.2	27.0	25.8	.1	1.4
RETAIL TRADE	129.8	129.0	123.2	.8	6.5
General merchandise stores	19.1	19.0	18.3	.1	.7
FINANCE, INSURANCE, AND REAL ESTATE	40.8	40.4	38.4	.3	2.4
Banking	8.6	8.5	8.2	.1	.4
Insurance carriers	13.2	13.2	12.5	.0	.7
SERVICES	169.5	167.9	158.5	1.6	11.0
Hotels and other lodging places	6.9	6.9	6.7	.0	.3
Personal services	8.2	8.3	8.0	- .1	.2
Business services	40.0	38.7	36.0	1.4	4.0
Amusement and recreation services	11.2	11.1	11.0	.1	.2
Health services	52.5	51.9	48.9	.6	3.6
Hospitals	25.2	25.0	23.5	.2	1.7
GOVERNMENT	81.6	86.6	79.3	- 5.0	2.3
Federal government	14.0	14.2	13.8	- .1	.2
State government	18.0	19.4	17.7	- 1.4	.3
State government education[h]	9.7	11.3	9.6	- 1.6	.1
State government, except education	8.3	8.1	8.1	.2	.2
Local government	49.6	53.0	47.8	- 3.4	1.8
Local government education	26.7	30.6	25.2	- 3.9	1.5
Local government, except education	22.9	22.3	22.6	.5	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$455.03	$466.52	$444.94	41.9	42.8	41.7	$10.86	$10.90	$10.67
Durable Goods[e]	441.74	460.75	445.71	41.4	42.9	41.5	10.67	10.74	10.74
Fabricated metal products	429.12	424.76	408.21	44.7	44.2	42.7	9.60	9.61	9.56
Fabricated structural metal products	450.22	430.39	472.06	46.8	44.6	46.6	9.62	9.65	10.13
Machinery, except electrical	403.91	411.01	411.27	41.3	41.6	41.5	9.78	9.88	9.91
Metalworking machinery	419.23	466.04	449.90	39.7	42.6	41.2	10.56	10.94	10.92
General industrial machinery	402.48	383.98	382.53	43.0	41.2	41.0	9.36	9.32	9.33
Electric and electronic equipment	337.75	339.39	340.89	38.6	39.1	39.5	8.75	8.68	8.63
Transportation equipment	586.05	688.02	619.99	41.3	46.9	43.6	14.19	14.67	14.22
Motor vehicles and equipment	587.52	840.13	605.21	38.2	51.7	40.7	15.38	16.25	14.87
Nondurable Goods[f]	468.94	471.84	443.72	42.4	42.7	41.9	11.06	11.05	10.59
Food and kindred products	488.05	512.06	487.51	43.0	44.8	44.4	11.35	11.43	10.98
Beverages	527.93	532.95	538.90	42.1	42.5	44.1	12.54	12.54	12.22
Apparel and other textile products	203.86	208.51	197.81	36.6	37.3	35.9	5.57	5.59	5.51
Paper and allied products	429.68	437.91	406.96	42.5	43.4	40.9	10.11	10.09	9.95
Printing and publishing	469.86	458.69	441.39	41.0	40.7	39.2	11.46	11.27	11.26
Commercial printing	536.90	497.64	490.81	45.5	43.5	41.7	11.80	11.44	11.77
Chemicals and allied products	548.66	542.73	509.72	43.1	42.5	42.3	12.73	12.77	12.05
Rubber and misc. plastics products	436.97	459.73	421.35	45.9	47.2	46.1	9.52	9.74	9.14
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	553.79	528.15	527.12	40.9	39.8	40.3	13.54	13.27	13.08
WHOLESALE TRADE	389.78	389.91	391.52	40.9	40.7	41.3	9.53	9.58	9.48
RETAIL TRADE[h]	166.84	166.11	163.90	29.9	29.6	29.8	5.58	5.65	5.50
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	255.89	259.34	254.18	....	....	....	.....	.....	.....

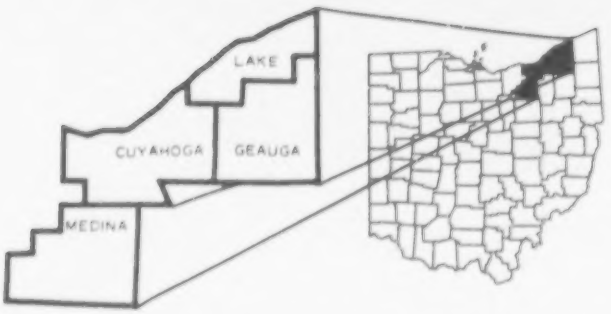
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	3,112	2,899	4,574
Active File of Job Seekers	20,103	18,603	27,362
Referrals to Jobs	2,035	2,910	2,556
Placements	430	723	560
Job Openings Received	1,425	1,313	1,449
Job Openings Unfilled	3,264	3,011	1,825
Unemployment Insurance Program			
Initial Claims	6,360	7,061	5,184
Continued Claims	42,218	38,338	44,698
First Payments	2,606	1,438	2,007
Last Payments	900	756	911
Weeks Compensated	35,401	29,405	33,595
Benefits Paid	$5,216,113	$4,306,483	$4,751,523
Average Weekly Payment	$150.10	$149.23	$143.98

[a]Ohio data only.

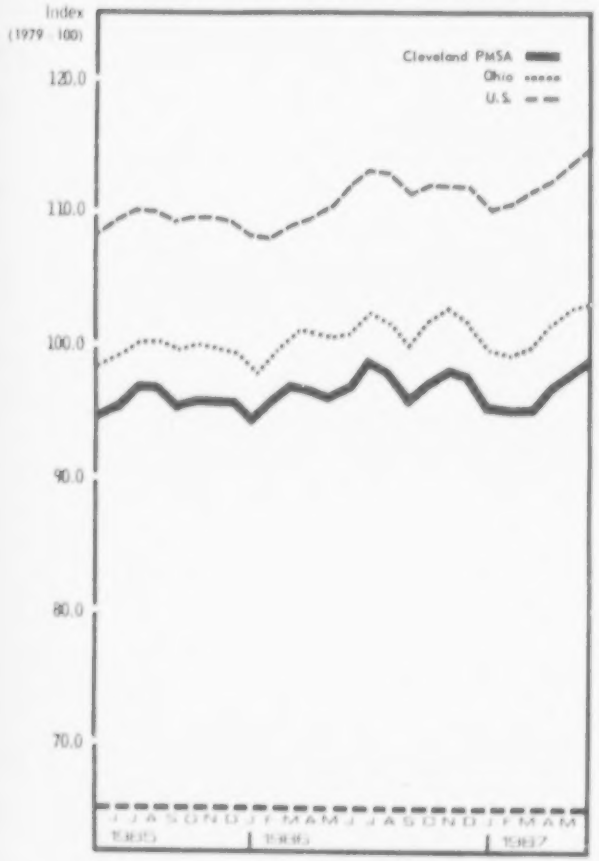
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



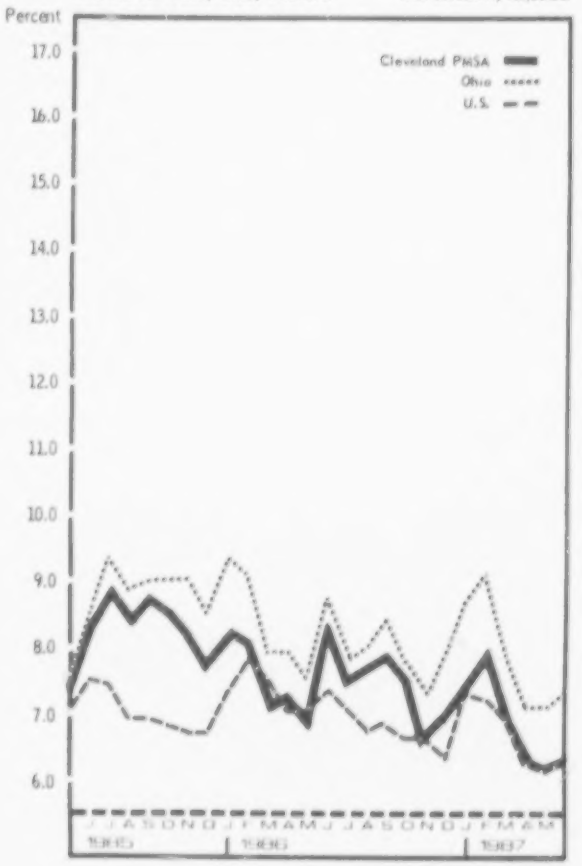
Nonfarm payroll employment in the Cleveland metropolitan area advanced 3,300 from June 1987, to 911,300 in July. Nonmanufacturing accounted for the gain, due to summer programs in local government and a seasonal pickup in construction. Factory employment declined 1,000, to 203,200, with much of the loss scattered among durable-goods industries. The average factory workweek in July, at 41.8 hours, was 1.1 hours shorter. Production workers grossed $11.42 per hour, $.10 below their June average.

Nonagricultural wage and salary employment increased 21,700 from July 1986 to July 1987. Significant changes in services, especially in business and health services, retail trade, and finance, insurance, and real estate, boosted employment in nonmanufacturing by 23,200. Factory employment declined 1,500 over the year. Scattered improvements in nondurable-goods industries were more than offset by losses in durable goods, especially in instruments and related products, nonelectrical machinery, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

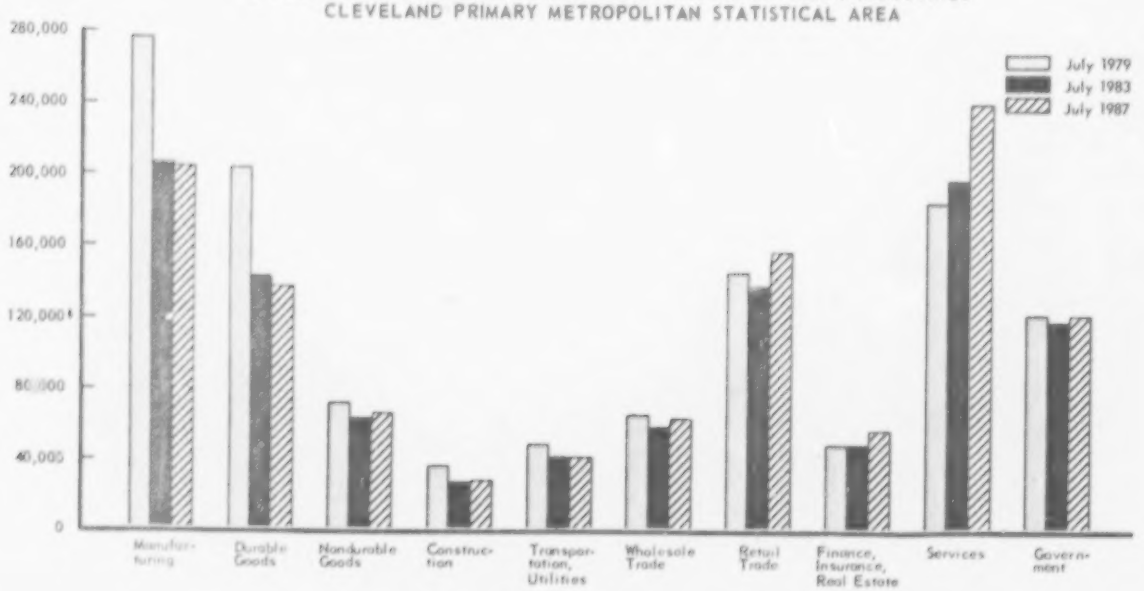


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
938.2	878.7	59.4	6.3	June	908.0	204.2	130.5	494.21	42.9	11.52
INA	INA	INA	INA	July	911.3	203.2	129.3	477.36	41.8	11.42

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	911.3	908.0	889.6	3.3	21.7
MANUFACTURING	203.2	204.2	204.7	- 1.0	- 1.5
Durable Goods[e]	137.4	138.2	140.2	- .8	- 2.8
Primary metal industries	20.8	21.0	21.0	- .2	- .2
Iron and steel foundries	5.3	5.3	5.4	.0	- .2
Fabricated metal products	32.5	32.7	32.0	- .2	.6
Fabricated structural metal products	3.8	3.7	3.9	.1	- .1
Screw machine products, bolts, etc.	4.7	4.8	4.5	- .1	.2
Metal forgings and stampings	11.2	11.4	10.6	- .2	.6
Machinery, except electrical	29.9	29.9	30.8	.0	- 1.0
Construction and related machinery	2.5	2.5	2.5	.0	.0
Metalworking machinery	9.8	9.8	10.2	.0	- .4
Special industry machinery	3.2	3.2	3.4	.0	- .2
General industrial machinery	2.7	2.7	2.9	- .1	- .3
Electric and electronic equipment	18.6	18.5	19.4	.2	- .7
Electrical industrial apparatus	6.3	6.4	6.8	- .1	- .5
Transportation equipment	18.8	19.2	19.2	- .3	- .4
Motor vehicles and equipment	11.6	12.0	11.9	- .4	- .3
Instruments and related products	6.2	6.3	7.6	- .1	- 1.4
Measuring and controlling devices	4.1	4.1	4.3	.0	- .2
Nondurable Goods[f]	65.8	66.0	64.5	- .2	1.3
Food and kindred products	6.9	7.0	6.7	.0	.2
Apparel and other textile products	4.2	4.3	4.3	- .1	- .1
Paper and allied products	5.5	5.6	5.3	.0	.3
Printing and publishing	17.0	16.9	16.7	.1	.3
Chemicals and allied products	15.1	15.1	14.8	.0	.4
Rubber and misc. plastics products	11.8	12.0	11.4	- .2	.4
NONMANUFACTURING[g]	708.1	703.8	684.9	4.3	23.2
CONSTRUCTION	29.1	28.0	28.0	1.1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	41.8	41.8	41.3	.0	.5
Trucking and warehousing	12.2	12.1	11.2	.1	1.0
Communication, electric, gas services	18.4	18.3	18.8	.1	- .4
WHOLESALE TRADE	62.6	62.6	62.4	.0	.2
Wholesale trade-durable goods	43.1	43.2	43.4	- .1	- .3
RETAIL TRADE	157.1	156.7	152.7	.4	4.4
General merchandise stores	20.0	20.0	19.9	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	55.5	55.1	52.9	.4	2.6
Banking	13.7	13.5	13.2	.2	.5
Credit agencies other than banks	9.2	9.2	8.8	.0	.5
Insurance carriers	13.3	13.2	12.8	.1	.6
SERVICES	239.5	239.9	226.0	- .3	13.6
Business services	54.9	54.3	50.0	.5	4.9
Amusement and recreation services	10.2	9.8	10.1	.4	.0
Health services	75.9	75.4	72.3	.5	3.5
Hospitals	43.8	43.6	41.2	.2	2.6
GOVERNMENT	121.5	118.9	120.3	2.6	1.2
Federal government	20.6	20.6	20.2	.0	.4
State government	8.3	8.6	8.0	- .3	.2
State government education[i]	2.8	3.2	2.6	- .4	.2
State government, except education	5.4	5.4	5.4	.1	.1
Local government	92.7	89.7	92.1	3.0	.6
Local government education	42.4	42.2	42.1	.2	.3
Local government, except education	50.3	47.5	50.0	2.8	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

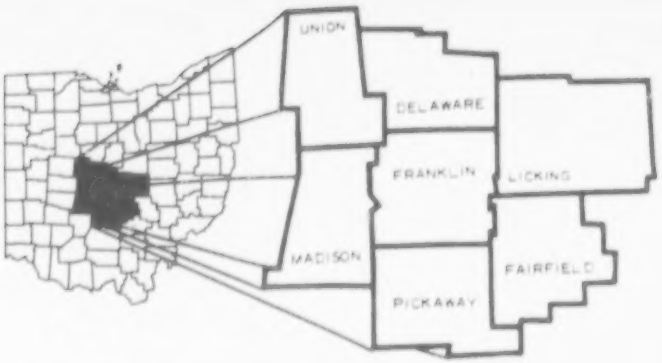
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$477.36	$494.21	$456.75	41.8	42.9	40.6	$11.42	$11.52	$11.25
Durable Goods[e]	505.98	527.56	479.85	42.2	43.6	40.7	11.99	12.10	11.79
Primary metal industries	570.29	609.22	520.08	43.6	45.6	39.4	13.08	13.36	13.20
Iron and steel foundries	688.97	858.11	677.81	42.9	51.2	43.2	16.06	16.76	15.69
Fabricated metal products	475.45	530.52	465.85	41.2	44.1	40.9	11.54	12.03	11.39
Fabricated structural metal products	401.28	409.28	377.17	41.8	42.5	40.6	9.60	9.63	9.29
Screw machine products, bolts, etc.	434.92	470.24	429.42	41.9	44.7	42.1	10.38	10.52	10.20
Metal forgings and stampings	569.25	683.28	604.21	41.4	46.8	42.7	13.75	14.60	14.15
Machinery, except electrical	493.19	483.51	445.54	42.7	42.6	40.8	11.55	11.35	10.92
Construction and related machinery	382.80	420.89	435.46	43.5	46.1	44.8	8.80	9.13	9.72
Metalworking machinery	417.96	424.15	409.85	40.5	41.1	40.3	10.32	10.32	10.17
Special industry machinery	455.56	460.08	488.42	37.9	38.5	40.6	12.02	11.95	12.03
General industrial machinery	505.46	487.99	485.18	44.3	43.3	44.8	11.41	11.27	10.83
Electric and electronic equipment	436.85	428.33	412.78	40.3	40.6	39.2	10.84	10.55	10.53
Electrical industrial apparatus	477.57	481.20	423.54	41.6	42.1	39.0	11.48	11.43	10.86
Transportation equipment	652.96	671.35	645.18	44.0	45.3	44.1	14.84	14.82	14.63
Motor vehicles and equipment	680.40	704.70	660.53	43.2	45.0	43.2	15.75	15.66	15.29
Instruments and related products	383.25	399.90	390.51	40.3	41.7	40.3	9.51	9.59	9.69
Measuring and controlling devices	395.01	405.14	390.05	39.9	40.8	40.8	9.90	9.93	9.56
Nondurable Goods[f]	412.46	415.48	402.17	41.0	41.3	40.5	10.06	10.06	9.93
Food and kindred products	374.50	369.18	390.85	42.8	42.0	42.3	8.75	8.79	9.24
Apparel and other textile products	308.80	307.26	310.01	38.6	38.6	38.8	8.00	7.96	7.99
Paper and allied products	473.37	503.78	457.30	42.8	44.9	42.5	11.06	11.22	10.76
Printing and publishing	413.26	407.59	400.68	38.3	38.2	37.1	10.79	10.67	10.80
Chemicals and allied products	497.08	495.50	480.24	43.3	42.9	42.2	11.48	11.55	11.38
Rubber and misc. plastics products	374.51	388.45	355.52	41.2	42.5	41.1	9.09	9.14	8.65
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	597.70	585.48	570.99	42.3	42.0	41.8	14.13	13.94	13.66
WHOLESALE TRADE	403.57	405.16	388.23	39.8	39.8	39.9	10.14	10.18	9.73
RETAIL TRADE[h]	188.45	185.61	180.09	29.4	28.6	29.0	6.41	6.49	6.21
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	296.86	296.37	293.74	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	343.53	342.55	333.00	32.5	32.5	33.2	10.57	10.54	10.03

See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	7,277	6,529	7,968
Active File of Job Seekers	61,401	64,129	108,834
Referrals to Jobs	2,590	2,605	4,620
Placements	702	718	1,335
Job Openings Received	1,547	1,379	1,876
Job Openings Unfilled	2,251	2,069	3,055
Unemployment Insurance Program			
Initial Claims	9,630	6,695	9,297
Continued Claims	64,970	58,939	80,701
First Payments	3,425	2,521	3,884
Last Payments	1,202	1,056	1,494
Weeks Compensated	50,624	45,455	61,802
Benefits Paid	$7,222,711	$6,581,097	$9,205,276
Average Weekly Payment	$145.02	$147.56	$151.26

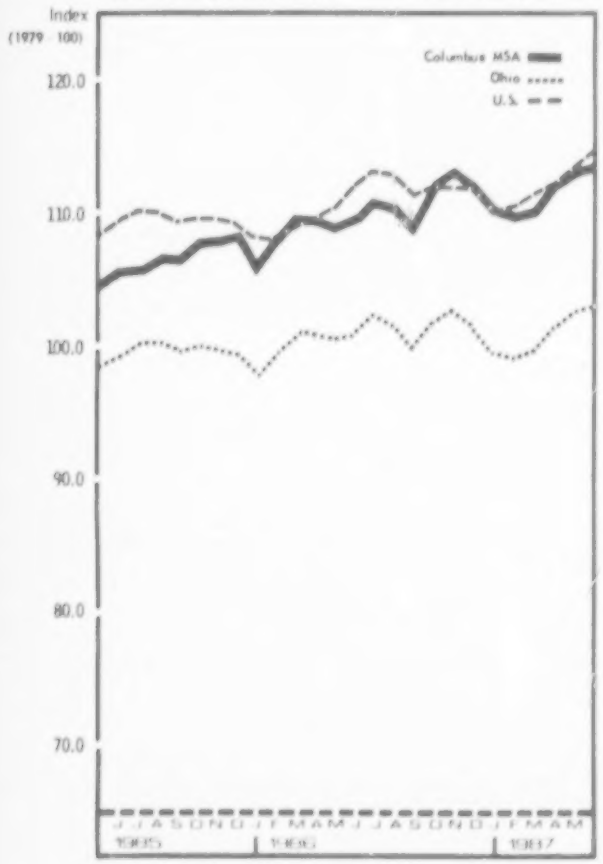
COLUMBUS METROPOLITAN STATISTICAL AREA



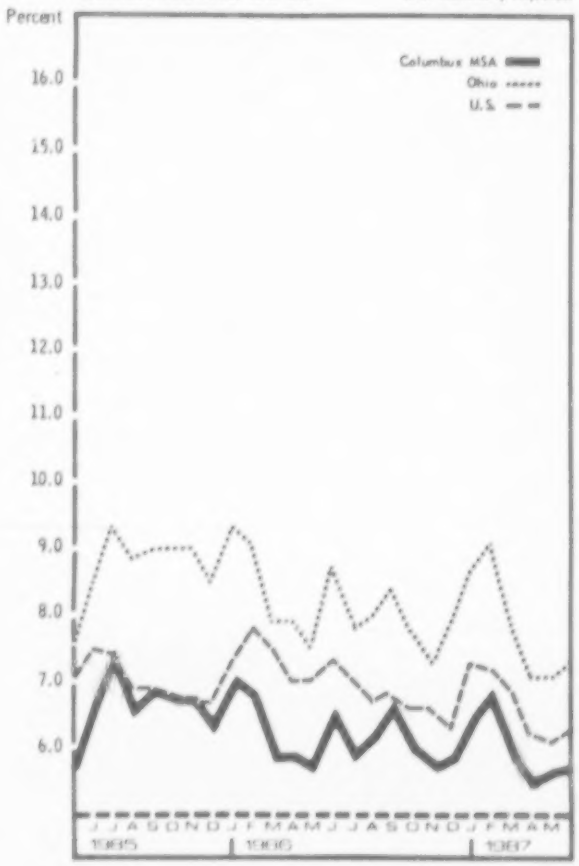
Nonagricultural wage and salary employment in the Columbus area was 653,200 in July, down 7,700 from June. Growth in construction, services, and finance, insurance, and real estate was overshadowed by the sharp decline in nonteaching personnel in state and local schools and colleges. Manufacturing employment, at 101,900, was 1,300 below the June level, due to losses in stone, clay, and glass products, transportation equipment, and other durable-goods industries. Factory production workers earned an average of $11.47 per hour, up $.07 from June. Their average workweek was little changed, at 41.4 hours.

Since July 1986, nonfarm employment increased 25,200. Although most nonmanufacturing industries showed gains, significant growth was noted in services, retail trade, government, and construction. Manufacturing lost 4,200 workers over the year, with significant declines in transportation equipment, stone, clay, and glass products, and fabricated metal products. Gains were noted in several nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



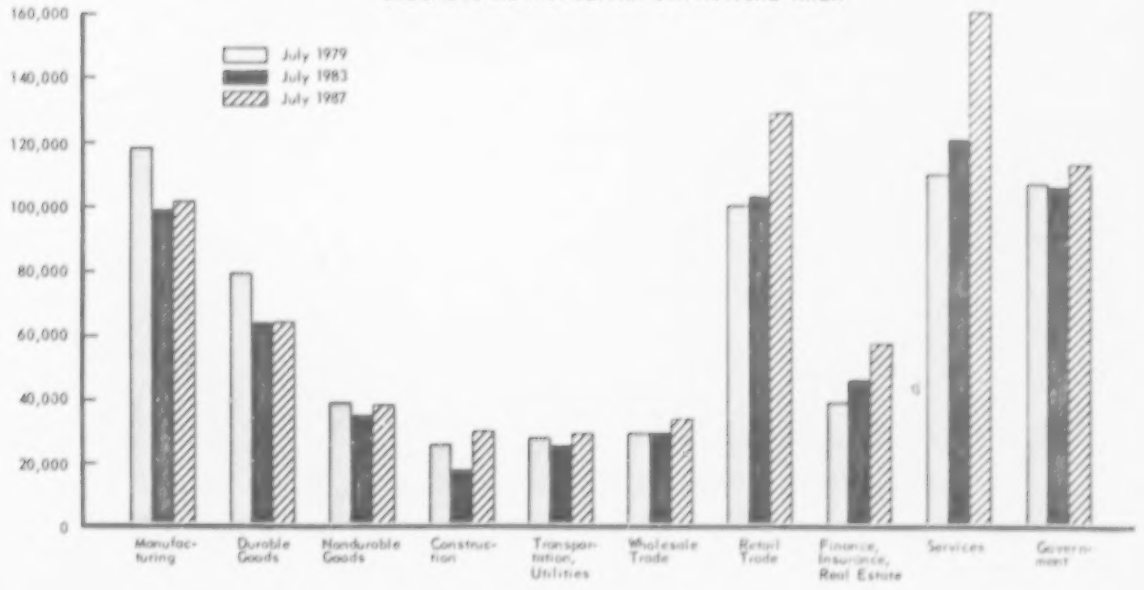
COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
695.6	656.0	39.6	5.7	June	661.0	103.1	68.2	473.10	41.5	11.40
INA	INA	INA	INA	July	653.2	101.9	66.9	474.86	41.4	11.47

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	653.2	661.0	628.0	- 7.7	25.2
MANUFACTURING	101.9	103.1	106.1	- 1.3	- 4.2
Durable Goods[e]	64.3	65.8	69.8	- 1.5	- 5.5
Stone, clay, and glass products	9.8	10.6	11.4	- .8	- 1.7
Glass and glassware, pressed or blown.	3.7	4.5	4.1	- .8	- .5
Fabricated metal products	8.7	8.9	9.9	- .2	- 1.2
Fabricated structural metal products .	2.7	2.8	3.1	.0	- .3
Machinery, except electrical	9.4	9.5	9.5	- .1	- .1
Electric and electronic equipment	10.8	10.8	11.3	.0	- .5
Transportation equipment	14.2	14.5	16.3	- .3	- 2.1
Instruments and related products	4.1	4.2	4.0	- .1	.1
Nondurable Goods[f]	37.5	37.3	36.2	.2	1.3
Food and kindred products	10.5	10.4	10.1	.1	.5
Printing and publishing	9.8	9.8	9.5	.0	.3
Chemicals and allied products	7.2	7.1	7.1	.1	.1
Rubber and misc. plastics products	5.5	5.5	5.2	.0	.3
NONMANUFACTURING[g]	551.4	557.8	522.0	- 6.5	29.4
CONSTRUCTION	29.6	28.3	26.1	1.3	3.4
TRANSPORTATION AND PUBLIC UTILITIES	29.1	28.9	27.5	.2	1.6
Trucking and warehousing	11.7	11.5	10.7	.2	.9
Communication, electric, gas services	12.4	12.3	12.2	.0	.2
WHOLESALE TRADE	33.2	32.9	32.2	.2	.9
Wholesale trade-durable goods	21.6	21.5	21.1	.2	.5
RETAIL TRADE	129.0	129.0	123.5	.0	5.5
General merchandise stores	17.3	17.2	17.1	.2	.2
FINANCE, INSURANCE, AND REAL ESTATE	57.0	56.4	54.8	.6	2.3
Banking	11.9	11.8	11.5	.1	.4
Insurance carriers	21.7	21.5	21.2	.2	.5
SERVICES	159.9	159.0	147.7	.9	12.2
Business services	37.1	36.5	33.0	.7	4.1
Health services	40.8	40.2	38.7	.6	2.1
Hospitals	17.6	17.3	16.6	.3	1.0
GOVERNMENT	112.8	122.4	109.3	- 9.6	3.5
Federal government	15.7	15.6	15.6	.1	.0
State government	48.1	54.5	46.8	- 6.5	1.2
State government education[i]	17.4	23.8	16.9	- 6.4	.4
State government, except education	30.7	30.7	29.9	- .1	.8
Local government	49.0	52.2	46.8	- 3.2	2.2
Local government education	27.2	31.0	25.3	- 3.7	1.9
Local government, except education	21.8	21.2	21.5	.6	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

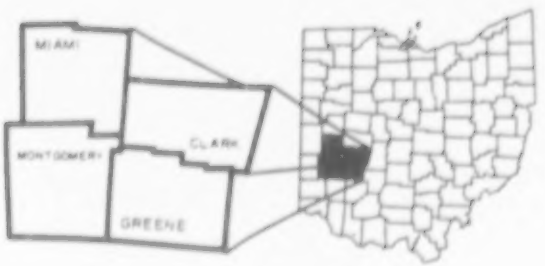
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$474.86	$473.10	$458.18	41.4	41.5	40.8	$11.47	$11.40	$11.23
Durable Goods[e]	485.62	482.65	467.57	41.4	41.5	40.8	11.73	11.63	11.46
Stone, clay, and glass products	484.92	476.89	487.22	41.2	40.9	40.1	11.77	11.66	12.15
Glass and glassware, pressed or blown.	432.90	407.90	452.76	39.0	38.3	39.2	11.10	10.65	11.55
Fabricated metal products	496.95	501.02	478.76	40.7	41.0	40.3	12.21	12.22	11.88
Fabricated structural metal products	473.61	464.53	436.16	42.4	42.5	42.1	11.17	10.93	10.36
Machinery, except electrical	447.79	466.34	402.48	41.5	43.1	38.7	10.79	10.82	10.40
Electric and electronic equipment	451.53	458.21	433.92	40.1	40.3	39.7	11.26	11.37	10.93
Transportation equipment	588.01	566.71	547.23	43.3	42.9	43.5	13.58	13.21	12.58
Instruments and related products	447.10	434.72	404.26	42.5	41.8	41.0	10.52	10.40	9.86
Nondurable Goods[f]	454.84	454.01	434.42	41.5	41.5	40.6	10.96	10.94	10.70
Food and kindred products	487.29	469.79	449.70	43.9	43.1	41.6	11.10	10.90	10.81
Printing and publishing	516.40	515.48	503.94	39.3	39.2	39.9	13.14	13.15	12.63
Chemicals and allied products	503.66	509.39	497.70	40.1	40.3	41.2	12.56	12.64	12.08
Rubber and misc. plastics products	338.25	349.44	341.52	41.0	42.0	41.7	8.25	8.32	8.19
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	575.33	569.66	572.14	41.6	41.4	42.1	13.83	13.76	13.59
WHOLESALE TRADE	344.51	346.56	327.85	37.9	38.0	38.3	9.09	9.12	8.56
RETAIL TRADE[h]	176.68	174.71	169.07	29.3	28.5	28.9	6.03	6.13	5.85
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	259.23	258.76	240.89	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	328.04	322.56	329.24	34.1	33.6	35.1	9.62	9.60	9.38

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	5,370	5,023	6,625
Active File of Job Seekers	30,812	33,450	39,793
Referrals to Jobs	2,706	2,408	2,917
Placements	1,213	1,080	630
Job Openings Received	2,362	1,945	2,176
Job Openings Unfilled	4,264	4,497	5,921
Unemployment Insurance Program			
Initial Claims	6,317	4,726	5,397
Continued Claims	41,159	36,317	40,884
First Payments	2,149	1,710	2,225
Last Payments	752	673	857
Weeks Compensated	35,144	29,385	32,845
Benefits Paid	$5,337,421	$4,460,797	$4,691,540
Average Weekly Payment	$155.08	$155.20	$145.16

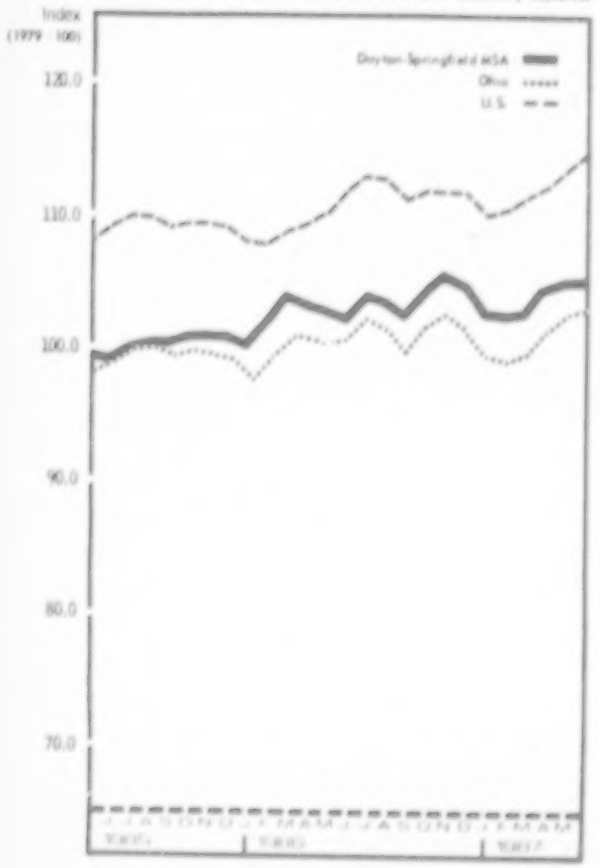
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



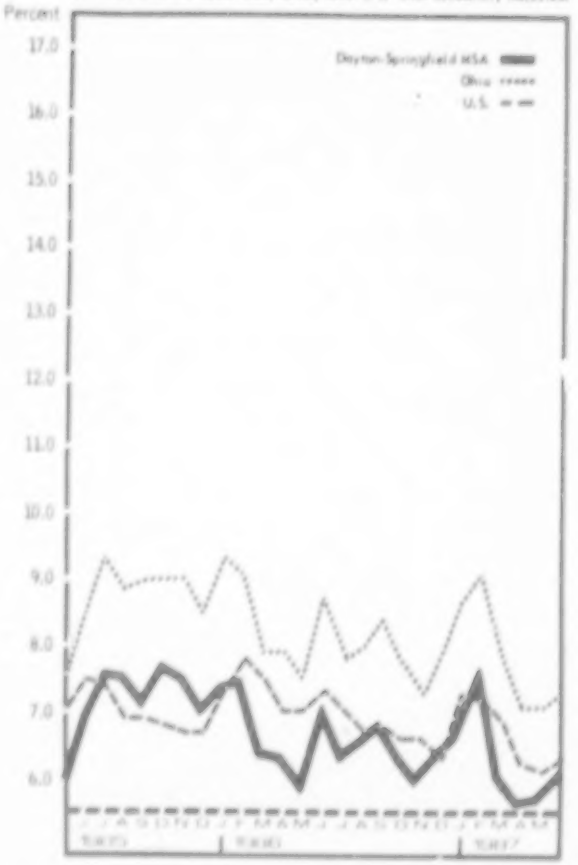
Nonagricultural wage and salary employment in the Dayton-Springfield metropolitan area totaled 428,700 in July, a decrease of 4,800 from June. Nonmanufacturing employment decreased 4,200, to 324,600, with seasonal losses in local government schools. Manufacturing employment declined 600, to 104,100 in July. Average earnings of factory production workers were $11.89 an hour, little changed from June. Their average workweek, at 41.6 hours, was down .6 hours from June.

Since July 1986, nonfarm employment rose 11,200. This improvement occurred in nonmanufacturing with the largest gains in services, especially business services, construction, and retail trade. Manufacturing lost 2,100 workers over the year due to notable declines in durable goods, particularly nonelectrical machinery and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



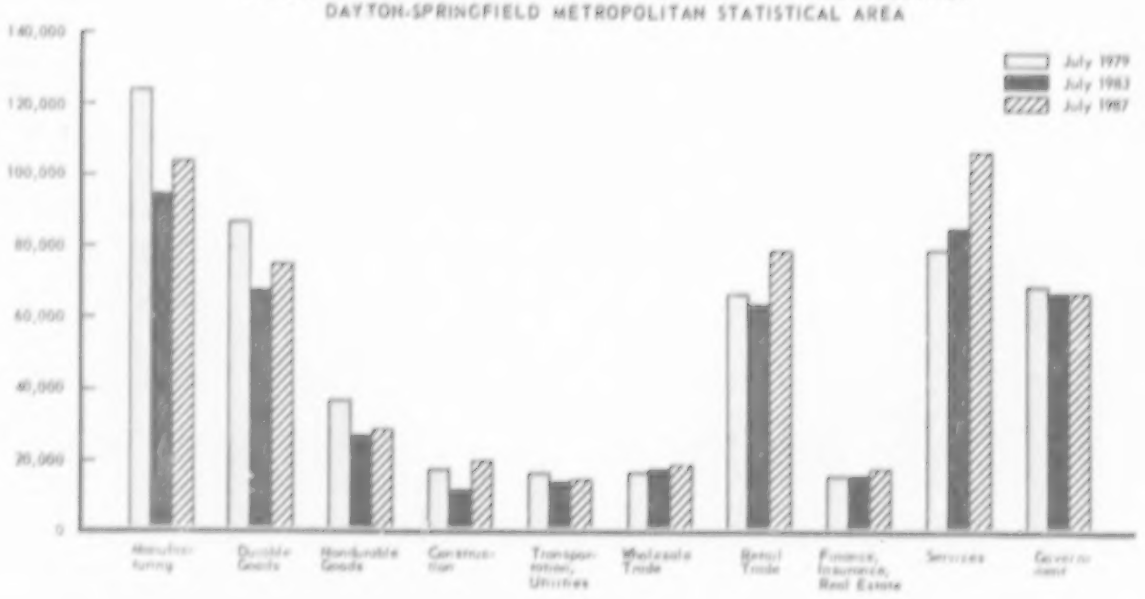
DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
468.0	439.4	28.6	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
INA	INA	INA	INA	July	428.7	104.1	66.3	494.62	41.6	11.89

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	428.7	433.5	417.5	- 4.8	11.2
MANUFACTURING	104.1	104.7	106.2	- .6	- 2.1
Durable Goods[e]	75.1	75.6	77.0	- .6	- 1.9
Fabricated metal products	8.1	8.2	8.4	.0	- .3
Machinery, except electrical	30.3	30.5	31.7	- .2	- 1.4
Metalworking machinery	6.4	6.5	6.9	- .1	- .5
General industrial machinery	2.6	2.5	2.6	.1	.0
Electric and electronic equipment	6.0	6.0	5.7	.0	.3
Electrical industrial apparatus	3.5	3.6	3.3	- .1	.2
Transportation equipment	21.1	21.4	21.9	- .3	- .8
Nondurable Goods[f]	29.1	29.1	29.2	.0	- .2
Food and kindred products	3.0	3.1	2.9	- .1	.2
Paper and allied products	5.9	6.0	5.8	.0	.1
Printing and publishing	8.7	8.6	8.4	.1	.3
Rubber and misc. plastics products	7.7	7.7	8.2	.0	- .6
NONMANUFACTURING[g]	324.6	328.8	311.3	- 4.2	13.3
CONSTRUCTION	19.8	19.0	16.3	.8	3.5
TRANSPORTATION AND PUBLIC UTILITIES	15.0	15.1	14.6	- .1	.4
Communication, electric, gas services	5.8	5.8	6.0	.0	- .2
WHOLESALE TRADE	19.1	19.2	19.0	- .1	.2
Wholesale trade-durable goods	13.2	13.2	12.9	.0	.3
RETAIL TRADE	78.8	79.1	75.9	- .2	3.0
General merchandise stores	11.1	11.2	11.2	- .1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	18.1	18.1	17.7	.0	.4
Banking	4.4	4.4	4.3	.0	.1
Credit agencies other than banks	4.6	4.6	4.5	.0	.0
Insurance carriers	2.7	2.8	3.0	- .1	- .2
SERVICES	106.2	106.6	99.6	- .5	6.5
Business services	26.9	26.6	24.4	.3	2.5
Health services	35.7	35.4	34.6	.3	1.1
Hospitals	18.4	18.4	18.2	.1	.2
Educational services	4.6	5.4	5.0	- .8	- .4
GOVERNMENT	67.0	71.1	67.8	- 4.1	- .8
Federal government	28.3	27.9	28.2	.4	.1
State government	6.6	7.5	6.1	- .9	.5
State government education[i]	3.6	4.5	3.3	- .9	.3
State government, except education	3.0	2.9	2.7	.0	.2
Local government	32.1	35.8	33.6	- 3.6	- 1.5
Local government education	16.8	20.6	18.3	- 3.8	- 1.5
Local government, except education	15.4	15.1	15.3	.2	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

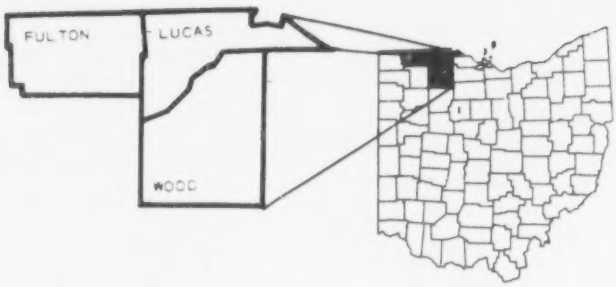
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$494.62	$502.18	$511.28	41.6	42.2	42.5	$11.89	$11.90	$12.03
Durable Goods[e]	506.20	511.83	523.87	41.8	42.3	42.8	12.11	12.10	12.24
Fabricated metal products	371.60	385.22	391.11	40.0	41.2	42.1	9.29	9.35	9.29
Machinery, except electrical	552.55	555.56	548.25	42.8	43.1	43.0	12.91	12.89	12.75
Metalworking machinery	532.84	533.05	525.87	44.0	44.2	45.1	12.11	12.06	11.66
General industrial machinery	456.22	472.50	442.04	42.4	44.2	42.3	10.76	10.69	10.45
Electric and electronic equipment	427.27	447.58	402.99	44.6	46.0	43.1	9.58	9.73	9.35
Electrical industrial apparatus	484.09	520.54	467.53	45.2	47.8	44.4	10.71	10.89	10.53
Transportation equipment	587.11	587.94	634.52	40.8	41.0	43.7	14.39	14.34	14.52
Nondurable Goods[f]	463.50	472.76	473.52	41.2	41.8	41.5	11.25	11.31	11.41
Food and kindred products	362.18	360.69	369.75	43.9	43.3	43.5	8.25	8.33	8.50
Paper and allied products	493.85	513.56	459.46	45.6	46.9	43.8	10.83	10.95	10.49
Printing and publishing	416.52	426.20	416.46	37.9	38.5	39.4	10.99	11.07	10.57
Rubber and misc. plastics products	556.10	554.36	600.30	39.3	39.4	41.4	14.15	14.07	14.50
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	553.32	538.65	539.97	41.2	40.5	41.0	13.43	13.30	13.17
WHOLESALE TRADE	411.05	412.68	392.50	40.9	40.9	40.8	10.05	10.09	9.62
RETAIL TRADE[h]	161.57	157.35	159.10	28.8	27.8	29.3	5.61	5.66	5.43
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	362.10	361.18	331.32	34.0	34.3	33.0	10.65	10.53	10.04

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	2,758	2,750	3,112
Active File of Job Seekers	21,782	21,111	26,229
Referrals to Jobs	4,027	1,691	4,694
Placements	3,015	517	3,489
Job Openings Received	3,656	737	4,272
Job Openings Unfilled	1,585	1,458	1,622
Unemployment Insurance Program			
Initial Claims	4,072	3,537	3,580
Continued Claims	27,342	24,762	27,109
First Payments	1,705	1,328	1,431
Last Payments	562	454	577
Weeks Compensated	23,225	18,894	21,865
Benefits Paid	$3,156,631	$2,585,868	$ 2,943,702
Average Weekly Payment	$138.84	$140.22	$137.20

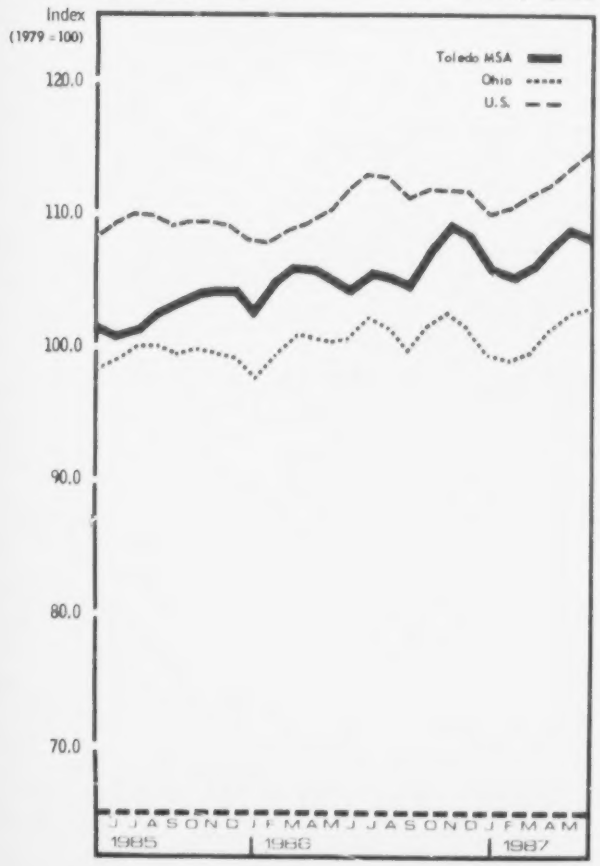
TOLEDO METROPOLITAN STATISTICAL AREA



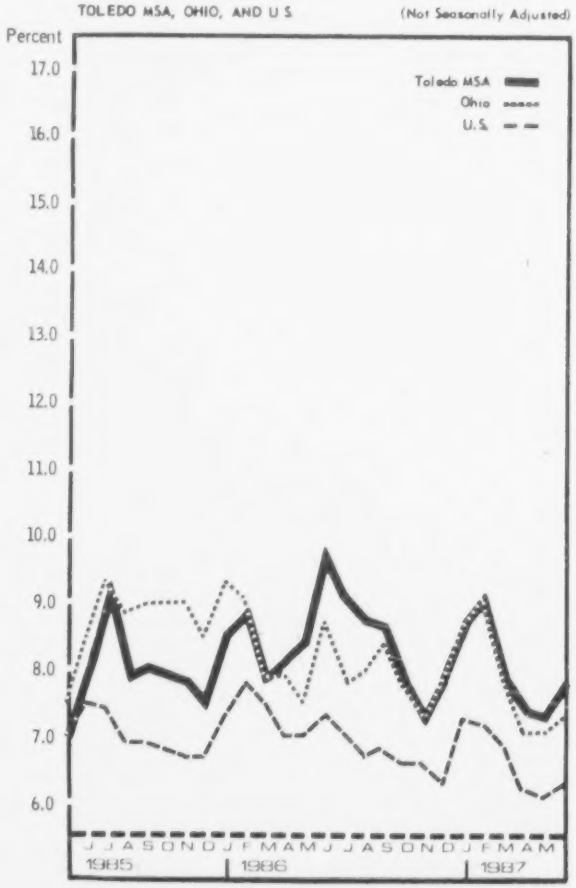
Nonagricultural employment in the Toledo area totaled 282,000 in July 1987, down 1,900 from June. Most of the decline occurred in nonmanufacturing as losses of nonteaching personnel in state and local schools and colleges more than offset seasonal increases in services and construction. Manufacturing dropped 400 jobs over the month with losses scattered among producers of durable goods. Factory production workers averaged $12.66 per hour, unchanged from the previous month. The average workweek, at 41.3 hours, was down .5 hours.

Total nonfarm employment advanced 13,400 from July 1986 to July 1987. The improvement occurred in nonmanufacturing sectors, especially health and business services, retail trade, transportation and public utilities, and construction. Factory employment declined 1,200 over the year as reductions in most durable-goods industries more than offset increases in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

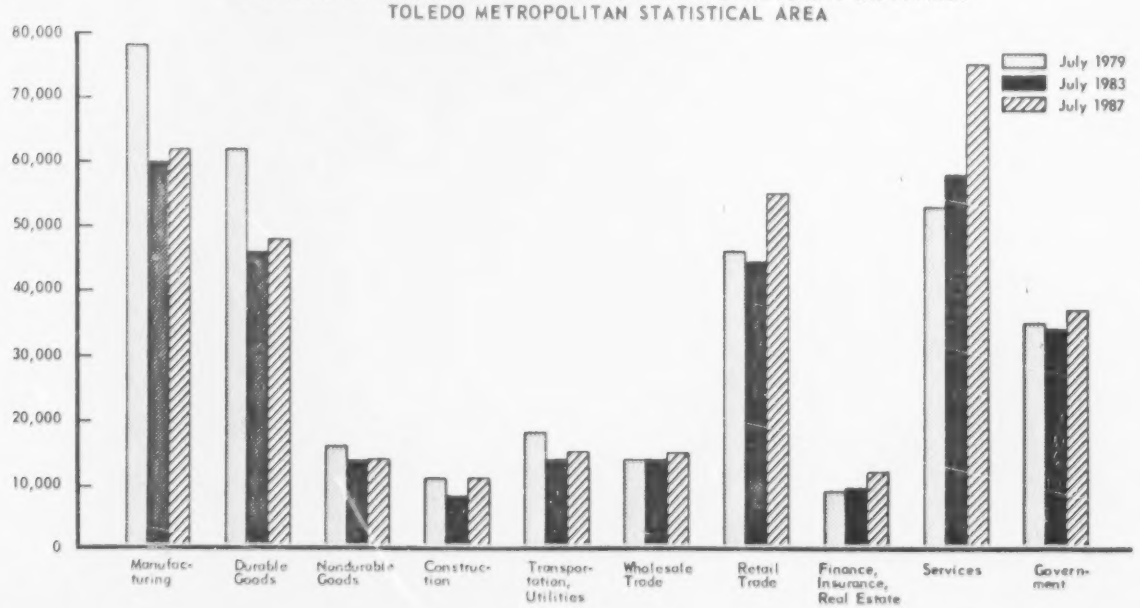


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.9	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.1	288.8	24.3	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
INA	INA	INA	INA	July	282.0	61.8	43.2	522.86	41.3	12.66

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	282.0	283.8	268.6	- 1.9	13.4
MANUFACTURING	61.8	62.2	63.0	- .4	- 1.2
Durable Goods[e]	47.7	48.1	49.1	- .4	- 1.4
Stone, clay, and glass products	7.8	7.8	8.7	.0	- .9
Primary metal industries	3.0	3.2	3.1	- .2	- .1
Fabricated metal products	7.3	7.4	7.4	- .1	- .1
Metal forgings and stampings	3.2	3.2	3.1	.0	.1
Machinery, except electrical	6.2	6.2	6.0	.0	.3
Electric and electronic equipment	2.7	2.7	2.9	.0	- .2
Transportation equipment	16.3	16.4	16.6	- .1	- .3
Motor vehicles and equipment	15.3	15.5	15.6	- .1	- .2
Nondurable Goods[f]	14.1	14.1	13.9	.0	.2
Food and kindred products	3.6	3.6	3.4	.0	.2
Rubber and misc. plastics products	3.2	3.2	3.0	.0	.1
NONMANUFACTURING[g]	220.2	221.6	205.5	- 1.4	14.6
CONSTRUCTION	11.4	10.9	10.3	.5	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.8	14.7	13.3	.1	1.5
Trucking and warehousing	5.9	5.8	5.3	.1	.5
Communication, electric, gas services	5.1	5.1	4.3	.0	.8
WHOLESALE TRADE	14.9	14.7	14.6	.2	.3
Wholesale trade-durable goods	9.8	9.7	9.7	.1	.1
RETAIL TRADE	54.8	54.8	51.9	.0	2.8
General merchandise stores	7.0	7.0	7.0	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.6	11.2	.0	.5
Banking	3.6	3.6	3.5	.0	.0
SERVICES	75.4	74.8	67.4	.6	8.0
Business services	15.0	14.6	13.1	.4	1.9
Health services	29.8	29.6	26.1	.2	3.6
Hospitals	15.6	15.5	14.8	.0	.8
GOVERNMENT	37.0	39.9	36.6	- 2.8	.4
State government	12.0	12.8	11.8	- .8	.2
State government education[i]	7.7	8.6	7.7	- .9	.0
State government, except education	4.2	4.2	4.1	.0	.2
Local government	22.4	24.4	22.2	- 2.0	.2
Local government education	11.5	13.8	11.4	- 2.3	.1
Local government, except education	10.9	10.6	10.8	.3	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

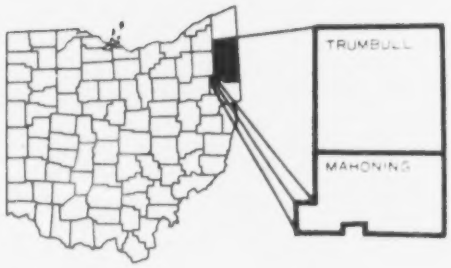
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$522.86	$529.19	$526.25	41.3	41.8	42.1	$12.66	$12.66	$12.50
Durable Goods[e]	540.20	546.69	547.30	41.3	41.7	42.1	13.08	13.11	13.00
Stone, clay, and glass products	505.52	516.94	540.04	40.9	40.8	43.1	12.36	12.67	12.53
Primary metal industries	458.58	496.80	522.12	41.5	43.2	45.8	11.05	11.50	11.40
Fabricated metal products	515.85	530.76	475.61	41.5	42.7	39.7	12.43	12.43	11.98
Metal forgings and stampings	615.90	642.69	553.15	43.1	44.6	40.2	14.29	14.41	13.76
Machinery, except electrical	486.78	477.76	458.56	42.0	41.4	41.2	11.59	11.54	11.13
Electric and electronic equipment	511.71	503.47	704.97	41.3	40.8	50.9	12.39	12.34	13.85
Transportation equipment	635.61	640.10	643.29	41.3	41.7	42.1	15.39	15.35	15.28
Motor vehicles and equipment	638.91	642.30	646.66	41.3	41.6	42.1	15.47	15.44	15.36
Nondurable Goods[f]	459.38	463.41	454.26	41.2	41.9	42.1	11.15	11.06	10.79
Food and kindred products	566.49	570.97	578.56	44.5	45.1	45.7	12.73	12.66	12.66
Rubber and misc. plastics products	316.68	330.06	326.82	39.0	40.3	40.7	8.12	8.19	8.03
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	635.38	629.22	601.68	42.7	42.4	43.1	14.88	14.84	13.96
WHOLESALE TRADE	355.89	351.00	354.66	37.7	37.5	38.3	9.44	9.36	9.26
RETAIL TRADE[h]	162.16	161.44	158.06	29.7	29.3	29.6	5.46	5.51	5.34

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	2,442	2,321	2,727
Active File of Job Seekers	18,035	15,925	25,618
Referrals to Jobs	2,663	1,273	2,055
Placements	754	341	950
Job Openings Received	1,379	869	1,354
Job Openings Unfilled	1,859	1,641	5,758
Unemployment Insurance Program			
Initial Claims	4,789	3,899	5,498
Continued Claims	28,063	26,151	36,350
First Payments	1,468	1,261	1,733
Last Payments	497	349	560
Weeks Compensated	21,451	17,785	28,437
Benefits Paid	$3,026,681	$2,531,251	$4,339,016
Average Weekly Payment	$144.12	$145.97	$155.73

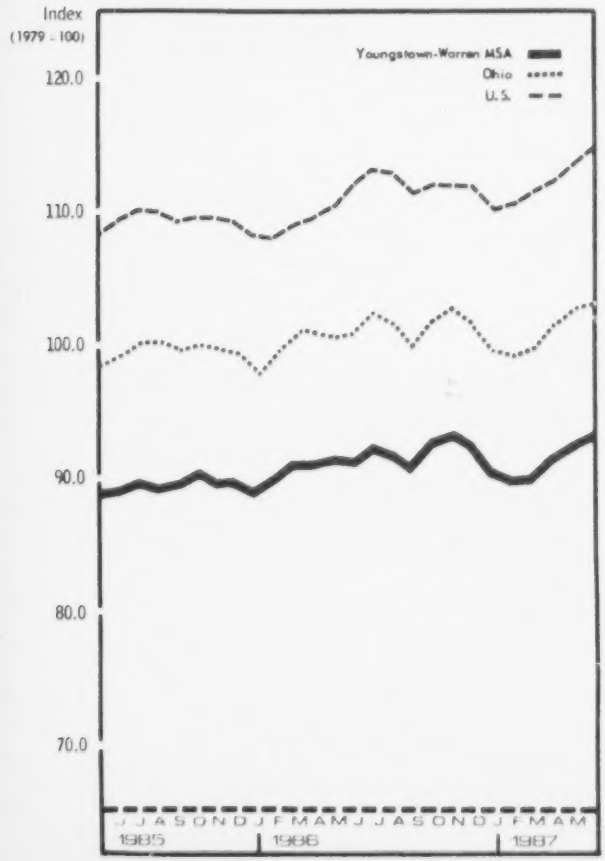
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



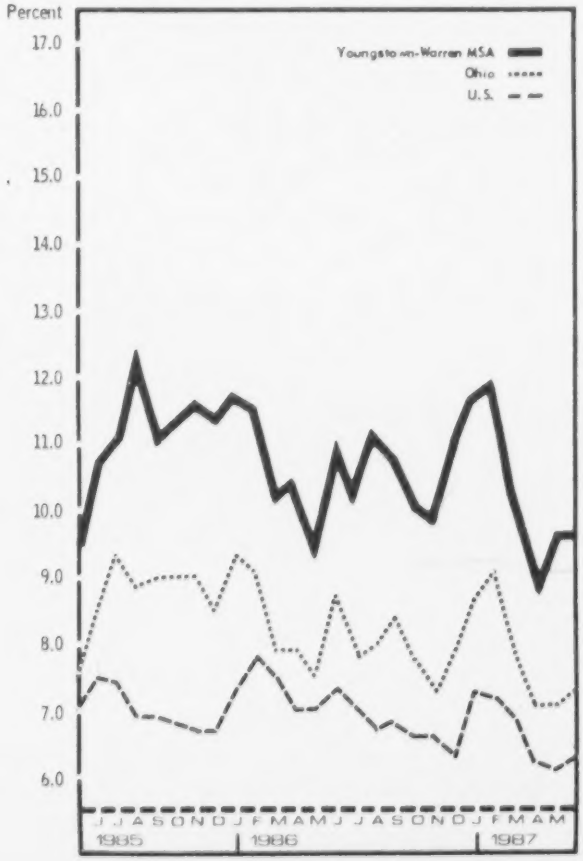
Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 187,200 in July, down 7,700 workers from June. July employment in manufacturing, at 45,400, was down 5,700 from June. The loss resulted largely from temporary layoffs in transportation equipment. The decline in nonmanufacturing was due to seasonal layoffs of nonteaching employees in state and local schools and colleges. Production workers in manufacturing earned $12.94 per hour and worked an average of 42.3 hours per week, down $.30 and .5 hours from last month.

Since July 1986, nonagricultural wage and salary employment has declined 500. Employment in manufacturing dropped 6,100, with a significant loss in transportation equipment. Nonmanufacturing employment increased 5,600 over the year, with notable growth in services, construction, and retail trade.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



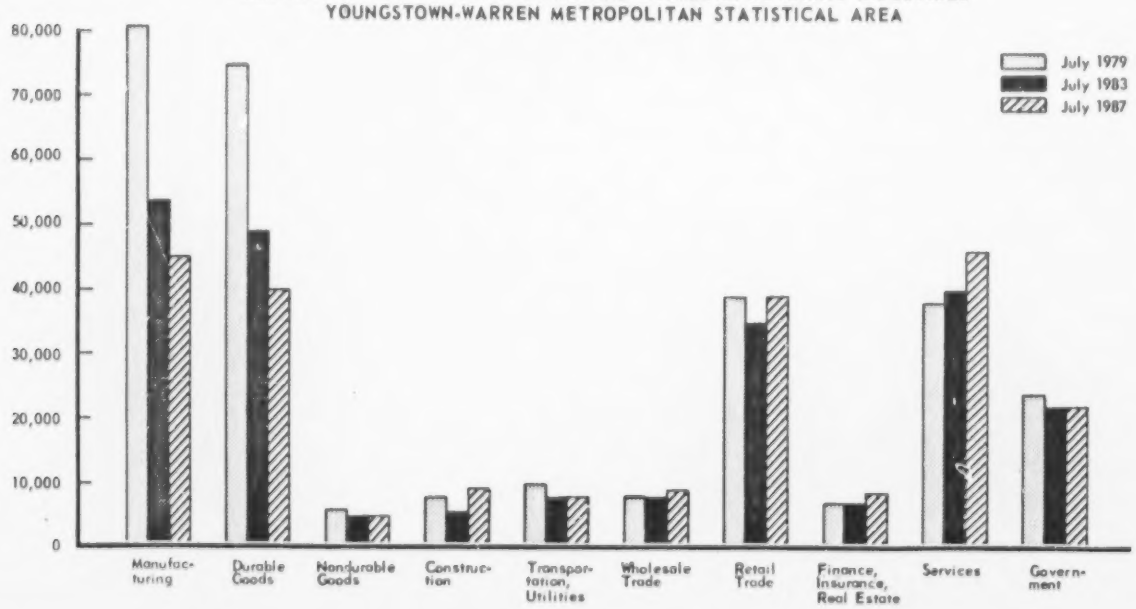
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
226.8	205.0	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
INA	INA	INA	INA	July	187.2	45.4	32.7	547.36	42.3	12.94

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	187.2	194.8	187.6	- 7.7	- .5
MANUFACTURING	45.4	51.1	51.5	- 5.7	- 6.1
Durable Goods[e]	40.0	45.9	46.1	- 5.9	- 6.1
Primary metal industries	18.7	19.5	19.3	- .8	- .5
Blast furnace and basic steel products	6.8	6.9	6.4	.0	.5
Fabricated metal products	7.6	7.7	7.8	- .1	- .1
Machinery, except electrical	3.5	3.5	3.8	.0	- .3
Electric and electronic equipment	2.3	2.3	2.4	.0	- .1
Transportation equipment	4.6	9.6	9.9	- 5.0	- 5.3
Nondurable Goods[f]	5.4	5.2	5.3	.2	.1
NONMANUFACTURING[g]	141.8	143.8	136.2	- 2.0	5.6
CONSTRUCTION	9.2	8.8	7.7	.4	1.5
TRANSPORTATION AND PUBLIC UTILITIES	8.0	8.2	7.7	- .1	.4
Communication, electric, gas services	3.1	3.1	3.1	.0	.1
WHOLESALE TRADE	9.4	9.4	9.2	.0	.2
Wholesale trade-durable goods	6.0	6.0	6.0	.0	.0
RETAIL TRADE	38.6	38.7	37.3	- .1	1.3
General merchandise stores	5.6	5.6	5.4	.1	.3
FINANCE, INSURANCE, AND REAL ESTATE	8.5	8.5	8.3	.0	.2
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.6	45.2	43.9	.4	1.7
Health services	20.1	20.0	19.4	.1	.7
Hospitals	10.4	10.4	10.5	.0	- .1
GOVERNMENT	21.8	24.3	21.5	- 2.6	.3
State government	3.6	4.3	3.6	- .7	.1
State government education[i]	2.1	2.7	2.0	- .7	.1
State government, except education	1.6	1.6	1.6	.0	.0
Local government	16.1	18.0	15.8	- 1.9	.2
Local government education	9.5	11.4	9.2	- 1.9	.4
Local government, except education	6.6	6.6	6.7	.0	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$547.36	$566.67	$542.93	42.3	42.8	41.1	$12.94	$13.24	$13.21
Durable Goods[e]	563.60	582.28	561.27	42.6	43.1	41.3	13.23	13.51	13.59
Primary metal industries	617.44	610.46	563.56	42.7	42.6	39.3	14.46	14.33	14.34
Blast furnace and basic steel products	626.54	638.95	565.78	45.6	46.1	39.4	13.74	13.86	14.36
Fabricated metal products	526.85	534.01	547.39	41.0	41.3	41.5	12.85	12.93	13.19
Machinery, except electrical	481.12	517.72	447.60	41.8	43.8	40.0	11.51	11.82	11.19
Electric and electronic equipment	436.51	434.42	408.18	39.9	40.6	39.4	10.94	10.70	10.36
Transportation equipment	648.21	678.37	680.09	46.5	46.4	45.4	13.94	14.62	14.98
Nondurable Goods[f]	414.86	418.99	365.88	40.2	40.6	39.3	10.32	10.32	9.31
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	558.55	553.91	546.63	40.8	41.0	41.1	13.69	13.51	13.30
WHOLESALE TRADE	341.25	342.14	333.68	38.3	38.4	38.8	8.91	8.91	8.60
RETAIL TRADE[h]	177.01	173.75	168.90	29.8	29.4	30.0	5.94	5.91	5.63

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	2,746	1,903	3,077
Active File of Job Seekers	19,026	19,042	32,168
Referrals to Jobs	1,805	1,507	1,791
Placements	372	576	554
Job Openings Received	636	786	729
Job Openings Unfilled	664	639	559
Unemployment Insurance Program			
Initial Claims	12,542	4,579	6,332
Continued Claims	37,826	20,878	25,391
First Payments	1,969	964	1,326
Last Payments	441	342	467
Weeks Compensated	29,945	16,974	20,512
Benefits Paid	$4,667,565	$2,327,263	$2,858,468
Average Weekly Payment	$159.97	$141.72	$143.51

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	July 1987	June 1987	July 1986
New Applicants	44,514	41,471	53,007
Active File of Job Seekers	292,626	292,657	409,440
Counseling Interviews	1,218	1,470	1,865
Tests Administered	3,080	3,879	7,900
General Aptitude Tests	429	410	301
Proficiency Tests	518	397	686
Specific Aptitude Tests	532	1,286	529
Referrals to Jobs	32,426	26,800	34,034
Placements	12,915	8,473	15,299
Job Openings Received	20,364	13,416	23,358
Job Openings Unfilled	23,787	22,801	26,051

Selected Unemployment Insurance Activities

	July 1987	June 1987	July 1986
Initial Claims	79,012	55,473	71,748
Continued Claims	435,982	389,194	492,828
First Payments	24,011	17,673	23,103
Last Payments	8,333	6,965	9,256
Average Weekly Claimants	93,084	88,426	102,665
Average Weekly Benefit Recipients	74,480	73,711	81,682
Weeks Compensated	357,502	298,443	380,058
Benefits Paid	$51,775,703	$43,017,081	$54,513,869
Average Weekly Payment	$148.36	$147.91	$146.79
Continued Claims for Survey Week	99,137	89,905	104,103
Insured Unemployment Rate	2.2	2.1	2.5
Net Contributions	$71,318,012	$9,653,004	$85,100,121
Active Employer Accounts	196,496	197,026	192,202

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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